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AUTHOR'S EDITION.

DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY.
F. V. HAYDEN, U. S. Geologist-in-Charge.

SECOND INSTALMENT

OF

AMERICAN ORNITHOLOGICAL

BIBLIOGRAPHY.

BY

DR. ELLIOTT COUES, U. S. A.

EXTRACTED FROM THE BULLETIN OF THE SURVEY, Vol. V, No. 2.

WASHINGTON, September 6, 1879.

40-148868-Dec 20

Art. XVII.—Second Instalment of American Ornithological Bibliography.

By Dr. Elliott Coues, U. S. A.

Part First of the "Birds of the Colorado Valley", etc., contains a Bibliographical Appendix (pp. 567-784, or [1]-[218]), which consists of a "List of Faunal Publications relating to North American Ornithology", being the first instalment of a Universal Bibliography of Ornithology upon which the author of that work is still engaged.

The present article may be considered to continue the subject, as it gives the titles of "Faunal Publications" relating to the Ornithology of the rest of America.

The former piece of work has been received with great favor by ornithologists, whose kind expressions of interest assure him that his bibliographical material is welcome.

This further instalment of the work is constructed upon the same principles as the other, and with the same great pains to secure good results. Though of course much less extensive, containing only about 700 titles, it is scarcely less complete, and no less accurate, than the North American portion. The compiler takes this occasion to renew the request that those who are interested in the matter will point out defects which may be detected in any portion of the work now printed.

To those who may not be informed of the general plan of the whole Bibliography, he may explain that it is modelled after the "Zoological Record", and that the titles given in this second instalment are only those which an editor of the "Record" would have brought under the head of "Neotropical Region"—all general and miscellaneous works, and all those upon particular species, genera, or families of birds, being excluded.

1648. MARCGRAVE, G. *Historia Natvralis | Brasiliae, | Anspicio et Beneficio | Illustriss. I. Mavritii Com. Nassav | illivs Provincjæ et Maris summi Praefecti Adornata | In qua | Non tantum Plantæ et Animalia, sed et In- | digenarum morbi, ingenia et mores describuntur et | Iconibus supra quingentas illustrantur. | Lygdvii. Batavorvm, | Apud Franciscum Hackium, et | Amstelodami, | Apud Lud. Elzevirium. 1648. | [Or.]*

Gulielmi Pisonis, M. D. | Lugduno-Batavi, | De | Medicina Brasiliensi | Libri Qvatvor: | I. De Aëre, Aquis, & Locis. | II. De Morbis Endemiis. | III. De Venenatis & Antidotis. | IV. De Facultatibus Simplicium. | Et | Georgi Marcgravi de Liliabad, | Misnici Germani, | Historiæ Rerum Na-

1648. MARCGRAVE, G.—Continued.

tyralivm | Brasiliæ, | Libri Octo: | Quorum | Tres priores agunt de Plantis. | Quartus de Piscibus. | Quintus de Avibus. | Sextus de Quædrupedibus & Serpentinibus. | Septimus de Insectis. | Octavus de ipsa Regione, & illius Incolis. | Cvm | Appendice de Tapuyis, et Chilensibus. | Ioannes De Laet, | Antwerpianus, | In ordinem digessit & Annotationes addidit, & varia ab Auctore | Omissa supplevit & illustravit. |

Above titles covering both Piso and Marcgrave; latter also separately subtitled in nearly identical words, omitting the Piso part of the title. 1 vol. folio. Engraved title to both, 1 l.; plain title to both, 1 l.; Piso to Prince William, 2 ll.; Piso to the reader, 1 l.; Piso's contents, 1 l.; Piso's text, pp. 1-122; Piso's index, 1 l.—Marcgrave's subtitle, 1 l.; Marcgrave's dedication, 1 l.; De Laet to the reader, 1 l.; Marcgrave's contents and errata, 1 l.; Marcgrave's text, pp. 1-292; Appendix, p. 293; Index, $\frac{1}{2}$ + 3 ll. Unnumbered cuts in text of both authors.

The fifth book of Marcgrave's part of this work treats of birds in fifteen chapters, as follows:—

Georgi Marcgravi Historiæ Naturalis Brasiliæ Liber Quintus, Qui agit de Avibus, in Quo sunt Icones quatuor supra quinquaginta, et Annotationes octo, pp. 190-220, Cap. I.-XV.—I. p. 190, Nhanduguacu, Iacana (fig.), variet ejus species, Curicaea (fig.). II, p. 192, Tijepiranga (fig.), Iacapu, Iambu, Gallina africana (fig.), Guirangeima, Iupujuba (fig.), Sayacu, Ani (fig.), Guira guainumbi (fig.). III, p. 194, Jaguacati (fig.), Mitu (fig.), Mituporanga (fig.), Ibijau (2 figg.). IV, p. 196, Guainumbi variet species (fig.). V, p. 198, Iacupema (fig.), Iacamacaj (fig.), Iacnrtu (fig.), Soco (fig.), Matuitui (fig.). VI, p. 200, Iabiru (fig.), Iabiru guacu (fig.), Manucodiata. VII, p. 201, Guirapunga utraque (2 figg.), Guiraqueira (fig.), Jacamaciri (fig.), Carlama (fig.). VIII, p. 203, Guara (fig.), Urutaurana (fig.), Maguari, Guarauna (fig.), Ajaja, Picini pinima, Pica eureba, Tuidara, Guacuguaçu, Tapera. IX, p. 205, Psittacorum majorum & minorum variet species. Tui vulgo Perroquet. Aracanga (fig.), etc. X, p. 207, Ipecu (fig.), Urubu (fig.), Tamatia utraque (2 figg.), Guirajemoja (fig.), Guiraru nheengeta (fig.). XI, p. 209, Coci Ardeae species (fig.); alia species, Guiratinga, Ardeola (fig.), Iacarini, Guiratinga, Guiranheengatu. XII, p. 211, Curucni (fig.), Caracara (fig.), Tijeguacu (fig.), Teitei, Guiragiraçu beraba (fig.), Guiracoreba, Guiraperea, Iapacani, Cabure, Andira aca. XIII, p. 213, Macucagua (fig.), Columbæ silvestris species, Anas sylvestris, Urubitinga, Mareca utraque, Tieguacu paroara (fig.), Tangara utraque (fig.). XIV, p. 215, Anhiua (fig.), Pitangua guacu (fig.), Atingaçu camucu (fig.), Guira acangatará (fig.). XV, Matuitui (fig.), Aracari, Tucana, Anhiinga (fig.), Ipecati apoa (fig.), Pullus gallinaceus monstrosus (quadupes, fig.).

The figures are monstrous, reminding us of those of Gesner, for example, though many of the marked species are recognizable. The text, however, is minutely descriptive, and most of the species are identifiable.

This is a celebrated work, standing in much the same ornithological relation to South America that its virtual contemporary, Hernandez's, bears to Mexico. We have here the first description and primary basis of many species. Linnaeus and other early species-makers cite Marcgrave freely, and he remains, in fact, quotable to-day. The reader will not fail to note that he has here the vernacular derivation of many names with which he is familiar in their quasi-Latin and even English rehabilitation, but the etymology of which would not necessarily be obvious to a classicist. Compare with the above the following, for example: *Nandou*, *Pyrauga*, *Guira*, *Guiraca*, *Ani*, *Mitu*, *Mituporanga*, *Jacamar*, *Nacurutu*, *Iabiru*, *Carlama*, *Ajaja*, *Cocoba*, *Maguari*, *Guarauna*, *Tapera*, *Aracanga*, *Ararauna*, *Urubu*, *Nengeta*, *Coci*, *Carasara*, *Urubitinga*, *Tangara*, *Tanagra*, *Pitangua*, *Aracari*, *Tucana*, *Toucan*, etc.

For an elaborate commentary on this work, see 1820 and 1824, LICHTENSTEIN, II.

1658. ROCHEFORT, C. DE. Histoire | naturelle et morale | des | Iles antilles | de l'Amerique. | Enrichie de plusieurs belles figures des Raretez les plus | considerables qui y sont decrites. | Avec vn Vocabulaire Caraïbe. | [Dessin.] | A Rotterdã, | Chez Arnould Leers, | — | M. DC. LVIII. 1 vol. 8vo or sm. 4to. Eng. title, 8 prel. pp. incl. regular title, pp. 1-527, 6 ll. (contents).

Chapitre Quinzième, pp. 147-167, a fig. on p. 152, and a page of figs. on p. 166, "Des oiseaux les plus considerables des Antilles", des Fregates, des Fauves, des Aigrettes, etc., du Grand Gosier, des Poules d'eau, des Flammans (= *Platalea*), de l'Hirondelle, de plusieurs Oiseaux de terre, des Arras, des Canides, des Perroquets, des Perriques du tremble, du Pas-sereau, de l'Aigle de l'Orinoco, du Mansieny, du Colibry.—This is the orig. ed.

1666. ROCHEFORT, C. DE. The History of the Caribby-Islands, viz. Barbades, [etc.] In two Books. The First containing the Natural the Second the Moral History, of these islands. Illustrated, [etc.] Rendered into English by John Davis of Kidwelly. London. 1666. 4to. pp. 326, 4 pll.
Not seen: title from Sabin's *Bibl. Amer.* Orig. ed. 1658, q. v.
1667. [STUBBES, DR. —.] Observations Made by a Curious and Learned Person, sailing from England, to the Caribe-Islands. < *Philos. Trans.*, ii, 1667, pp. 493-500.
1667. WARREN, G. Impartial Description of Surinam, . . . with a History of several strange Beasts, Birds, etc. 1667.
Not seen. [See beyond, ADDENDA, 1745.]
1668. STUBBES, DR. —. An Enlargement of the Observations, formerly publisht, Numb. 27, made and generously imparted by that Learn'd and Inquisitive Physitian, Dr. Stubbles. < *Philos. Trans.*, iii, 1668, pp. 699-709.
Allusions to a few birds.
1681. [ROCHEFORT, C. DE.] Histoire | Naturelle et Morale | des | Iles Antilles | de l'Amerique, | Enrichie d'un grand nombre de belles Figures en taille douce, qui | representent au naturelles Places, & les Raretez les plus | considerables qui y sont decrites. | Avec un Vocabulaire Caraïbe. | Dernière Edition. | Revenü & augmentée par l'Auteur d'un Recit de l'Estat present des | celebres Colonies de la Virginie, de Marie-Land, de la Caroline, du | nouveau Duché d'York, de Penn-Sylvania, & de la nouvelle An- | gleterre, situées dans l'Amerique septentrionale, & qui rele- | vent de la Couronne du Roy de la grand' Bretagne. | Tiré fidelement des memoires des habitans des mêmes Colonies, | en faveur de ceux, qui auroient le dessein de s'y | transporter pour s'y établir. [Par César de Rochefort.] | [Vignette.] | A Rotterdam, | Chez Reinier Leers, | — | M. DC. LXXXI. 1 vol. Sm. 4to. Eng. title, plain title, both backed blank, and 16 more unpag'd ll., pp. 1-523, and 13 unpag'd pp.; then follow pp. 1-43, with a separate title, backed blank; many plates and other illustrations.
Orig. ed. 1658, q. v. Chap. XV, pp. 163-182, "Des oiseaux les plus considerables des Antilles"; cut on p. 168, and page full of cuts p. 182.
1682. NIEUWOF, J. Joan Nieuwof's Gedenkwaerdige Zee en Lantreize door de Voornaemste Landschappen van West en Oostindien. Amsterdam. 1682. Folio.
Not seen. "The second part, beginning at p. 29, contains a cut representing several birds and a bat, with text descriptive of these and numerous other Brazilian birds. The figures are very good, much better than Maregrave's; the names are vernacular."—J. A. ALLEN, in *epist.* [See beyond, ADDENDA.]
1703. OLIVER, W. A Letter from Dr. William Oliver to the Publisher, giving his Remarks in a late Journey into Denmark and Holland. < *Philos. Trans.*, xxiii, 1703, pp. 1400-1410.
Contains an account of a curious bird seen in Amsterdam from "Carthage in America". described as "*Vultur Americanus minor Carthagense Corpore elegantis & plumis admodum Concinne variegatis*".
- 1707-25. SLOANE, H. A | Voyage | To the Islands | Madera, Barbados, Nieves, S. Christophers | and | Jamaica, | with the | Natural History | of the | Herbs and Trees, Four-footed Beasts, Fishes, | Birds, Insects, Reptiles, &c. | Of the last of those Islands; | To which is prefix'd An | Introduction, | Wherein is an Account of the | Inhabitants, Air, Waters, Diseases, Trade, &c | of that Place, with some Relations concerning the Neigh- | bouring Continent, and Islands of America. | — | Illustrated with | The Figures of the Things describ'd, | which have not been heretofore engraved; | In large Copper-Plates as big as the Life. | — | By Hans Sloane, M. D. | Fellow of the College of Physicians and Secretary | of the Royal-Society. | — | In Two Volumes. Vol. I [II]. | — | Man shall run to and fro, and Knowledge shall be increased. Dan. xii. 4. | — | London: Printed by B. M. for the Author, 1707 [1725]. 2 vols. Folio.

1707-25. SLOANE, H.—Continued.

Vol. I, 1707, 8 p. ll., pp. i-cliv. 1-264, pll. i-iv (i being a map), 1-156. Vol. II, 1725, 2 p. ll. (title and dedication), pp. i-xviii, 1-499, pll. v-xi, 157-274.

There are some literal discrepancies in the titles of the two vols.: in the second the author appears as "Sir Hans Sloane, Bart.", and the last line is simply "Printed for the author. 1725."—Vol. II, Book VI, Part II, pp. 293-325, "Of the Birds of Jamaica", pll. 254-272.—Chap. I, Of Land Birds, 54 spp. Chap. II, Of Birds which Wade, or Frequent Watery Places, 17 spp. Chap. III, Of Water-Fowl, or such as are web-footed and Swim, 11 spp.; in all, 82 spp. The plates are very coarse and poor; some of them are as ludicrous as anything in Gesner, for example. The ornithology of this work has no intrinsic value, but derives some importance from the fact that here are the original descriptions of various birds upon which Linnaean species rest wholly or in part. Sloane's pages and plates were constantly cited by writers of the century, as Catesby, Edwards, Brisson, Linnaeus, etc., and are sometimes referred to still.

1724. LABAT, —. *Nouveau Voyage aux Iles de l'Amérique.* 1724.

Not seen: said to contain natural history illustrations. [See APPENDIX, beyond.]

1729. WAFER, L. A New | Voyage | and | Description | of the | Isthmus of America. | Giving an Account of the | Author's Abode there, | The Form and Make of the Country, the Coasts, | Hills, Rivers, &c. Woods, Soil, Weather, &c. Trees, | Fruit, Beasts, Birds, Fish, &c. | The Indian Inhabitants, their Features, Complexion, | &c. their Manners, Customs, Employments, | Marriages, Feasts, Hunting, Computation, | Language, &c. | With Remarkable Occurrences in the South-Sea and | elsewhere. | — | By Lionel Wafer. | — | The Third Edition. | — | To which are added, | The Natural History of those Parts, | By a Fellow of the Royal Society: | and | Davis's Expedition to the Gold Mines, in 1702. | Illustrated with several Copper-Plates. | — | London, | Printed for James and John Knapton, at the | Crown in St. Paul's Church-Yard. M DCC XXIX.

Contained in vol. III of the series called "A Collection of Voyages", etc., 4 vols., London, 1729, being pp. 263-463 + 9, maps, plates.

"The Birds, and Flying Insects", pp. 334-339, consists of an account of sundry species by the author.

"An Additional Account of several Beasts, Birds, Fishes, Reptiles, &c. . . . Communicated by a Member of the Royal Society", Chap. II. Of the Birds, pp. 402-410. A formal account of no fewer than 118 spp., very curiously described under English names applied wholly at random.

1749. CONDAMINE, C. M. DE LA. *Relation abrégée d'un Voyage fait dans l'intérieur de l'Amérique méridionale, depuis la Côte de la Mer du Sud, jusques aux Côtes du Brésil & de la Guiane, en descendant la rivière des Amazones.* < *Mém. de l'Acad. Roy. des Sci. pour l'année 1745, 1749*, pp. 391-492, pll. viii, ix.

Notes sur les oiseaux, pp. 471-474.

1750. HUGHES, G. The | Natural History | of | Barbados. | — | In Ten Books. | — | By the Reverend | Mr. Griffith Hughes, A. M. | Rector of St. Lucy's Parish, in the said Island, and F. R. S. | — | [Vignette.] | — | London: | Printed for the Author; | And sold by most Booksellers in Great Britain and Ireland. MDCCCL. 1 vol. Folio. 8 p. ll. (title, dedication, subscribers, etc.), pp. i-viii (preface, errata), 1-314. + 11 ll. (explanatory notes, index, addenda), pll. 1-29, folded map, and head- and tail-pieces.

Book III, pp. 69-79, Of Birds. A few species are very lightly treated, though it is stated that "An Inspection into the Structure, Nature and Qualities of every Species will convince us, that every Individual is stamped with Marks of infinite Wisdom".

1756. BROWNE, PATRICK. The | Civil and Natural | History | of | Jamaica. | In Three Parts. | Containing, | I. An accurate Description of that Island, its Situation and Soil; | with a brief Account of its former and present State, Government, | Revenues, Produce, and Trade. | II. A History of the natural Productions, including the various Sorts | of native Fossils; perfect and imperfect Vegetables; Quadrupedes, | Birds, Fishes, Reptiles and Insects; with their Properties and Uses | in Mechanics, Diet, and Physic. | III. An Account of the Nature of Climates in General, and their | different Effects upon the human Body: with a Detail of the | Diseases arising from this Source, particularly within the Tropics. | In Three Dissertations. | The Whole illustrated with

1756. BROWNE, PATRICK.—Continued.

Fifty Copper-Plates: | In which the most curious Productions are represented of the natural Size, and | delineated immediately from the Objects. | — | By Patrick Browne, M. D. | — | London: | Printed for the Author; and sold by T. Osborne, and J. Shipton, | in Gray's-Inn. MDCCCLVI. 1 vol. Folio. 4 p. ll. (two titles, dedication, and list of subscribers), pp. v-viii (preface), 1-503, + 1 l., pl. i, map, pll. 1-49.

Chap. IV. Of Birds, pp. 466-483, none of the plates. § 1. Of the smaller frugivorous and granivorous birds with short and pointed conic bills, etc.: *Hirundo* 4, *Loxia* 1, *Fringilla* 5, *Motacilla* 1. § 2. Of the smaller granivorous and vermivorous birds with conic and moderately slender lengthened bills, etc.: *Columba* 10, *Teta* 1, *Turdus* 2. § 3. Of birds of the larger granivorous tribe with thick, conic, and moderately arched bills, proportioned limbs, and divided claws: *Pavo* 1, *Crax* 1, *Meleagris* 1, *Gallus* 4, *Tetrao* 1. § 4. Of birds that have strong crooked bills and open claws, whose digits are generally furnished with strong arched nails: *Fulco* 3, *Vultur* 1, *Psittacus* 11, *Strix* 2. § 5. Of birds that have large straight bills, of a length nearly equal to the middle digits, and moderately flattened above: *Corvus* 1, *Crotophaga* 1, *Picus* 1, *Baristus* 1. § 6. Of birds that have long slender bills that arch and taper very moderately to the top: *Polytmus* 4, *Todus* 1, *Oriolus* 1, *Cuculus* 1, *Merops* 1, *Xanthornus* 2. § 7. Of birds whose bills are of a length with or longer than the middle digits, having long legs, partly naked thighs, and divided claws, and living chiefly in watery places, though they do not swim: *Tringa* 2, *Numenius* 1, *Ardea* 7. § 8. Of water-fowls, or birds that pass a considerable part of their time upon the water: *Fulica* 4, *Colymbus* 1, *Phœnicopterus* 1, *Pelecanus* 1, *Cygnus* 2, *Anas* 6, *Anaethetus* 2, *Larus* 4, *Sterna* 3, *Alecyon* 2. Under such classification the number of species indicated by the figures given are treated, with numbered generic, but no specific names, with Latin diagnoses, some little synonymy, both Latin and vernacular, and miscellaneous observations. It was a considerable ornithological treatise in its time, freely cited by Brisson, Linnaeus, Edwards, and others; and some of these descriptions, like Sloane's, are the bases of species.—This is the orig. ed.; there is another, 1789.

1769. [BANCROFT, E.] 'An | Essay | on the | Natural History | of | Guiana, | In South America. | Containing | A Description of many Curious Productions | in the Animal and Vegetable Systems | of that Country. | Together with an Account of | The Religion, Manners, and Customs | of several Tribes of its Indian Inhabitants. | Interspersed with | A Variety of Literary and Medical Observations. | In Several Letters | from | A Gentleman of the Medical Faculty [E. Bancroft], | During his Residence in that Country. | — | —Adrespulcherrimas ex tenebris ad lucem erutas alieno | labore deducimur. | Seneca, De brevitate vite, cap. xiv. | — | London, | Printed for T. Becket and P. A. De Hondt | in the Strand. MDCCCLXIX. 1 vol. 16mo. Frontisp. (2-headed snake), 2 p. ll. (title and dedication), pp. i-iv. 1-402, + 3 ll. (contents and advts.).

This anonymous work, by Dr. E. Bancroft, contains, pp. 152-185, "the Description of Birds inhabiting the aerial regions of Guiana, which, for the variety, vivacity and lustre of colours that adorn their plumage, are no where excelled".—There is a German version of same date.

1769. BANCROFT, E. Naturgeschichte | von | Guiana | in | Süd-Amerika. | worinn | von der natürlichen Beschaffenheit und den vor- | nehmensten Naturproducten des Landes, ingleichen der Re- | ligion, Sitten und Gebräuchen verschiedener Stämme | der wilden Landes-Einwohner, Nachricht | ertheilet wird. | — | In vier Briefen. | Von | Eduard Bancroft, Esq. | — | Aus dem Englischen. | — | [Quotation from Seneca.] | — | Frankfurt und Leipzig, | bey J. Dodsley und Compagnie, 1769. 1 vol. 16mo. Frontispiece (2-headed snake), pp. i-x, 1 l., pp. 1-248, 1 l.

Vögel, pp. 91-112. In dieser Ausgabe, die Arten die bereits in den Schriften des Herrn Linné, oder von andern Schriftstellern beschrieben worden sind, sind mit den unter den Text gesetzten linnäischen Trivialnamen, oder Benennung anderer Schriftsteller kennbarer gemacht worden.—Vergl. die Originalausgabe, 1769.

1775. SONNINI DE MANONCOUR, C. N. S. Observation sur les Coqs et Poules de l'Amérique méridionale. < Journ. de Physique, vi, 1775, pp. 128, 129.

Not seen: title from Carus and Engelmann.—The article doubtless refers to *Cracidæ* or *Tinamidæ*.

1775. SONNINI DE MANONCOUR, C. N. S. Observation sur les Mareils ou Faisans de la Guiana. < Journ. de Physique, v, 1775, pp. 345-350.

Not seen: title from Carus and Engelmann.—*Tinamidæ*? *Cracidæ*?

1776. ANON. [Molina, G. I.] Compendio della Storia geografica, naturale e civile del regno del Chili. Bologna. 1776. 8vo. 10 pll.

Not seen. Giebel, doubtless from Engelmann, gives such an edition as of "Molina"; but the first recognized edition is of 1782, *q. v.* See also Molina at 1808 and 1810. I do not know what this is, or what it may contain. Some clue to it may be given in the preface of the English version of 1808, where the American translator says:—"Through the politeness of a gentleman of his acquaintance, the translator has also been furnished with an anonymous compendium of the history of Chili, printed in Bologna in 1776, from which the supplementary notes to this volume are taken."

In respect to this anonymous compend, here is what Molina himself says in his preface to the original edition of the "Saggio", 1782—it is tacit admission of its authorship—"Le storie, o piuttosto le relazioni stampate, oltre ai quattro Poemi, che coronano impressi sulla guerra Araucana, . . . ed un Compendio anonimo, che si pubblicò in lingua Italiana nel 1776, il quale in certo modo dà una notizia più compiuta del Chili di quella, che danno le altre opere stampate, particolarmente intorno alla Geografia, e alla storia Naturale. Nulladimeno come questo Compendio è anche troppo ristretto, così io ho creduto di fare un servizio non inutile agli amatori delle cose Americane, presentando loro un ragguaglio più disteso e più circostanziato de' prodotti, e de' successi più notabili dello stesso Paese."

1776. CLAYTON, W. An Account of the Falkland Islands. < *Philos. Trans.*, lxvi, pt. i, 1776, pp. 99-108.

Considerable account of Penguins, Geese, and other birds, pp. 103-105.

1782. MOLINA, G. I. Saggio | sulla Storia Naturale | del | Chili | del Signor Abate | Giovanni Ignazio | Molina. | [Vignette.] | In Bologna MDCCLXXXII. | — | Nella Stamperia di S. Tommaso d'Aquino. | Con licenza de' Superiori. 1 vol. 16mo (sigs. A 1, 1 l.; A 2, 1 l.; A 3, 1 l.; A 4, 5 ll.). pp. 368, map opp. p. 17. >Libro IV. Vermì, Insetti, Rettili, Pesci, Uccelli, o Quadrupedi del Chili, pp. 196-367.

This is the *editio princeps* of the celebrated work. There are numerous later editions in various languages, which see below: German, Leipzig, 1786; Spanish, Madrid, 1788; French, Paris, 1789; American, Middletown, Conn., 1808; English, London, 1809; Italian again, Bologna, 1810. See especially 1808 and 1810. Consult also 1776, ANON. See *Trans. Linn. Soc.*, vii, p. 225; *Oken's Isis*, ix, 1833, p. 824; *Rev. Zoologique*, 1840, p. 147. See also Philippi's Comentario. *Anal. Univ. Chile*, xxix, 1867, pp. 788-795.

Molina is famous in the annals of South American ornithology. Being a binomenclator after the most approved fashion of the time, he is citable as authority for species, and most of those he describes are new, antedating Gmelin (1788) and Latham (*Ind. Orn.*, 1790). The ornithological matter consists, first, of a general treatise on the birds of Chili, pp. 232-268; second, of a synopsis, pp. 343-345, in which the species receive formal Latin diagnoses in the Linnean manner (Catalogo delle nuove specie descritte in questo Saggio ordinate secondo il Sistema Linneano). The general text of the former is accompanied also by Latin diagnoses of the species treated in footnotes. As this edition is not very generally accessible, I give the names of the species treated, with the pages on which each occurs. All are new excepting the three marked "Linn."

Anas regia, pp. 234, 344; *A. coscoroba*, pp. 234, 344; *A. melanorhynchos*, pp. 234, 344; *Ardea erythrocephala*, pp. 235, 344; *A. galatea*, pp. 235, 344; *A. cyanocephala*, pp. 235, 344; *A. thula*, pp. 235, 344; *Columba melanoptera*, pp. 236, 345; *Picus lignarius*, pp. 236, 343; *P. pitius*, pp. 236, 343; *Dromedica chilensis*, pp. 238-344; *D. chilensis*, pp. 239, 344; *Pelecanus thagus*, pp. 240, 344; *Anas hybrida*, pp. 241, 344; *Phaenicopterus chilensis*, pp. 242, 344; *Tantalus pillus*, pp. 243, 344; *Trochilus minivius* ("Linn."), p. 246; *T. cyanocephalus*, pp. 247, 343; *T. galeritus*, pp. 247, 343; *Fringilla barbata*, pp. 247, 345; *F. diuca*, pp. 249, 345; *Turdus thilius*, pp. 250, 345; *T. theca*, pp. 250, 345; *Turdus curaeus*, pp. 252, 345; *Sturnus loyca*, pp. 254, 345; *Phytotoma* (gen. nov.) *rara*, pp. 254, 345; *Psittacus cyanalisios*, pp. 256, 343; *P. choræus*, pp. 257, 343; *P. jaguilma*, pp. 257, 343; *Parra chilensis*, pp. 258, 344; *Otis chilensis*, pp. 250, 344; *Struthio rea* (Linn.), p. 261; *Strix cucullaria*, pp. 263, 343; *Falco tharus*, pp. 264, 343; *Fulcor [sic] jota*, p. 265, 343; *Vultur gryphus* (Linn.), p. 266.

The following is a complete and exact transcript of the systematic catalogue, pp. 343-345, giving the names and diagnoses of all Molina's new species:—

AVES.

Accipitres.

Vultur Jota niger, remigibus fuscis, rostro cineraceo.

Falco Tharus cæra, pedibusque luteis, corpore albo-nigrescente, vertice cristato.

Strix Cunicularia capite levi, corpore supra fusco, subtus albo, pedibus tuberculatis pilosis.

1782. MOLINA, G. I.—Continued.

Pice.

Psittacus Jaguilinga macrourus viridis, remigibus apice fuscis, orbitis fulvis.
Psittacus Cyanalysis brachyurus luteo-virens, collare caeruleo, uropygio rubro.
Psittacus Choroicus brachyurus viridis, subtus cinereus, orbitis incarnatis.
Picus Lignarius pileo coccineo, corpore albo, caeruleoque vittato. •
Picus Pitius cauda brevi, corpore fusco maculis ovalibus albis guttato.
Trochilus Cyanocephalus rectirostris capite, remigibus, rectricibusque caeruleis, abdomine rubro.
Trochilus Galeritis curvirostris viridi-aureus, remigibus, rectricibusque fuscis, crista purpurea.

Answer.

Anas *Melanocorypha* rostro semicylindrico rubro, capite nigro, corpore albo.
 Anas *Iybrida* rostro semicylindrico, cera rubra, cauda acutiuscula.
 Anas *Regia* caruncula compressa frontali, corpore caruleo subtus fusco, collari albo.
 Anas *Corcoroba* rostro extremo dilatato, rotundato, corpore albo.
 Diomedea *Chilensis* alis impennibus, pedibus compedibus tridactylis, digitis omnibus con-
 nexis.
 Diomedea *Chiloensis* alis impennibus, pedibus compedibus tetradactylis palmaris, corpore
 lanuginoso cinereo.
 Pelecanus *Thagus* cauda rotundata, rostro serrato, gula saccata.

Grallee,

Phaenicopterus Chilensis ruber, remigibus albis.
Ardea Erythrocephala crista dependente rubra, corpore albo.
Ardea Gulatea occipite suberistato, corpore lacteolo, rostro luteo, pedibus coccineis.
Ardea Cyanocephala vertice cristato caeruleo, remigibus nigris albo marginatis.
Ardea Thula occipite cristato concolore, corpore albo.
Tantalus Pillus facie, rostro, pedibusque fuscis, corpore albo, remigibus rectricibusque nigris.
Parra Chilensis unguibus modicis, pedibus fuscis, occipite suberistato.
Otis Chilensis capite, juguloque laevi, corpore albo, vertice tectricibusque cinereis, remigibus primor. nigris.

Passeres.

Columba Melanoptera cauda euneata, corpore caerulecente, remigibus nigris.
Sturnus Loyca fusco, alboque maculatus, pectore coccineo.
Turdus Thilius ater, axillis luteis, cauda euneata.
Turdus Thenca fusco-cinereus, subtus pallido-cinereus, remigibus rectricibusquo apice
 albis.
Turdus Curæus ater nitens, rostro substriato, cauda euneata.
Fringilla Barbata lutea, alis viridibus, nigro rubroque maculatis, gula barbata.
Fringilla Diuea caerulea, gula alba.
Phytotoma (gen. nov.) Rostrum conicum, rectum, serratum.
 1. *Phytotoma Rara.* Nares ovatae.
 Lingua brevis obtusa.

1783. MOLINA, G. I. Essai sur l'Histoire Naturelle de Chili. Paris. 1783. 8vo.

Not seen: title of this French version from Ag. & Strickl., *Bibl.*—Orig. ed. 1782, *q. v.*
There is another French ed., 1789, *q. v.*

1784. DOBRIZHOFFER, M. *Historia de Abiponibus, Equestri, Bellicosaque Paraquariæ Natione, locupletata copiosis Barbararum Gentium, Urbium, Fluminum, Terrarum, Amphibiorum, Insectorum, Serpentium precipuorum, Piscium, Avium, Arborum, Plantarum, aliorumque ejusdem Provinciæ Proprietatum Observationibus; Authore Martino Dobrizhoffer, Presbytero, et per Annos duodeviginti Paraquariæ Missionario.* Vienna. 1784.

The *editio princeps*, not seen by me. There is a German translation, Vienna, 1784, and a later English version, London, 1822, *q. v.*

1785. SONNINI DE MANONCOUR, C. N. S. Du Sasa, Oiseau de la Guyane. < *Journ. de Physique*, xxvii, 1785, pp. 222-224.—*Licht. und Voigt's Magaz.*, (3), iv, 1787, pp. 45-50 (über den Sasa, einen Vogel aus Guiana).

Not seen: titles of both these articles from Carus and Engelmann. The "Sasa" is *Opisthocornus cristatus*. Giebel makes "du Sasa" a part of Sonnini's name.

1786. FAHLBERG, S. Slutet, af Samlingar til Natural-Historien öfver Ön St. Barthlemi i Vestindien. < *Kongl. Vetensk.-Acad. Nyt Handl.*, vii, 1786, pp. 248-254.

Chiefly botanical; a few birds given on p. 253.

1786. MOLINA, G. I. Versuch | einer | Naturgeschichte | von | Chili. | — | Von | Abbé J. Ignatz Molina. | Aus dem Italiänischen übersetzt | von | J. D. Brandis, | Doctor der Arzneywissenschaft. | — | Mit einer Landcharte. | — | Mit Churfürstl. Sächsischer Freyheit. | — | Leipzig, | bey Friedrich Gotthold Jacobäer 1786. 1 vol. 16mo (sigs. *1, 1 l.; *2, 1 l.; *3, 1 l.; *4, 1 l.; *5, 4 ll.). 9 p. ll., pp. 1-328, map.

See the orig. ed., 1782. In this German version, the birds are at pp. 205-238, 304-306.

1788. MOLINA, G. I. Compendio | de la Historia Geografica, | Natural y Civil | del Reynode Chile, | escrito en Italiano | por el Abate Don Juan | Ignazio Molina. | Primera [Segunda] Parte. | que abraza la Historia Geografica | y Natural, | traducida en Español | Por Don Domingo Joseph | de Arquellada Mendoza, Individuo de la | Real Academia de Buenas Letras de Sevilla, y Maestrante | de Ronda. | En Madrid | por Don Antonio de Sancha. | Año M. DCC. LXXXVIII. | Se hallará en su Libreria en la Aduana vieja. 2 vols. sm. 4to shape, 16mo type-bed (sigs. *1, 1 l.; *2, 4 ll.; **2, 4 ll., etc.). Vol. I, pp. i-xx, 1-418, 1 map.

See the orig. ed., 1782. Only the first vol. is here cited; the second has a different title, though beginning similarly, relates to the civil history of Chili, translated and augmented by various notes by Nicolas de la Cruz y Bahamonde, and dates 1795; has portrait of Molina and several maps.

In this Spanish version, the bird-matter is in Part or Vol. I, as above cited, pp. 257-301, 390-393.

1789. BROWNE, PATRICK. Civil and Natural History of Jamaica. London. 1789. Fol.

Not seen: said to contain a Linnaean index. It is the 2d ed. See the orig. ed., 1756.

1789. MOLINA, G. I. Essai | sur | L'Histoire Naturelle | du Chili, | Par M. l'Abbé Molina; | Traduit de l'Italien, & enrichi de notes, | Par M. Gravel, D. M. | — | A Paris, | Chez Née de la Rochelle, Libraire, rue du | Hurepoix, près du pont Saint-Michel, n^o. 13. | — | M. DCC. LXXXIX. | Avec Approbation et Privilège du Roi. 1 vol. 16mo. (sigs. a 1, 1 l.; a 2, 1 l.; a 3, 1 l.; a 4, 5 ll.). pp. i-xvj, 1-352, no map.

See the orig. ed., 1782. In this French version, the bird-matter is at pp. 211-249, 321-324. The translator makes a separate head ("§ XXXV. Oiseaux. Génim en Chilien.") for the birds, and introduces Molina's binomials into the general text, in brackets.

1792. RICHARD, L. C., and BERNARD, J. P. Catalogue des Oiseaux envoyés de Cayenne par Le Blond. <Actes Soc. Hist. Nat. Paris, i, 1792, pp. 116-119.

Not seen: title from Carus and Engelmann, *Bibl.*

1794. WEST, H. Beyträge | zur | Beschreibung | von | St. Croix. | — | Nebst einer | kurzen Uebersicht | der benachbarten Inseln, | St. Thomas, St. Jean, Tortola, Spanishtown | und Krabbeneyland | von | Hans West, | Reector am Westindischen Schulinstitut. | — | Aus dem Dänischen, | mit Verbesserungen und Vermehrungen des Verfassers. | — | Kopenhagen, 1794. | Bey C. G. Proft, Sohn und Compagnie. 1 vol. 16mo. 2 p. ll., pp. 1-274.

Orig. ed. 1793, [q. v., beyond, ADDENDA.] *Ardea coerulea* and *Fulica chloropus*, p. 243.

- 1802-05. AZARA, F. DE. Apuntamientos | para la Historia Natural | De Los Páxaros | del Paragüay | y Río de la Plata, | escritos | Por Don Felix de Azara. | Tomo Primero [Segundo, Tercero]. | Madrid MDCCCII [MDCCCIV]. | en la imprenta de la vinda de Ibarra. | Con licencia. 3 vols. very small 4to (type-bed size of a 12mo). Vol. I, 1802, 1 p. l., pp. i-xx, 1-534 + 1 l. Vol. II, 1805, 1 p. l., pp. i-viii, 1-562 + 1 l. Vol. III, 1805, 1 p. l., pp. i-vi, 1-479 + 1 l.

Editio princeps—scarce, and seldom actually consulted, though constantly quoted. Sonnini's French translation, Paris, 1809, is oftener handled. Azara describes 418 species, all unfortunately under Spanish names only, as many of them are here published for the first time, and form the original basis of many binomial names later bestowed by Vieillot, Temminck, Lichtenstein, and others, to which, in the nature of the case, much uncertainty and no little confusion attaches in many instances. Hartlaub has published an invaluable Systematic Index (Bremen, 1847) to Azara, identifying the species as far as possible, with a concordance of *ed. princ.* and *ed. Sonnini*, and a considerable synonymy. From the latter I quote the following, referring to the learned and accurate commentator himself for further particulars:—

"Nur Wenigen ist Azara's berühmtes Werk über die Vögel Paraguay's in der spanischen

1802-05. AZARA, F. DE.—Continued.

1802 bis 1805 zu Madrid erschienenen Originalausgabe bekannt. Erst durch Somini's sehr verdienstliche Uebersetzung wurde dasselbe für die Wissenschaft im weiteren Umfange zugänglich. In dieser Uebersetzung sind die oft etwas verworren aneinandergefügt Originalbeschreibungen zweckmässig in Formen, Maasse und Färbung gesondert, und des Verfassers Bekanntschaft mit den Vögeln Gujana's erhöht den Werth des kritischen Theils desselben. Das erste Werk, in welchem Azara'sche Vögel systematische Benennungen erhalten, ist, wenn wir nicht irren, Temminck's „Histoire naturelle des Pigeons et des Gallinacées“. Bald darauf versuchte Vieillot in dem 1816 bis 1819 bei Déterville herausgegebenen „Dictionnaire d'histoire naturelle“ dieselben sämmtlich den dazumal aufgestellten Gattungen einzuverleihen und den seiner Ansicht nach zuvor unbeschriebenen wissenschaftlichen Namen zu geben; ein Versuch, dessen mehr als zweifelhafter Erfolg namentlich dem Umstande beizumessen ist, das Vieillot diese Vögel nur nach Beschreibungen kannte, mithin sowohl hinsichtlich ihrer systematischen Stellung als auch ihrer Artselbständigkeit in zahlreiche Irthümer verfallen musste. Unbenannt blieben von ihm nur wenige Arten, welche er nicht mit genügender Sicherheit in dieser oder jener Gattung unter bringen zu können glaubte. Für einzelne schuf er neue Genera, so *Alectrurus* für den „Gallito“ und *Steganopus* für den „Chorlito del tarso comprimido“. In den drei die Ornithologie umfassenden Theilen des „Tableau encyclopédique et méthodique des trois règnes de la nature“ findet sich Vieillot's Nomenclatur der „Páxaros“ mit geringen Abänderungen reproducirt. Gleichzeitig mit letztgenanntem Buche, also 1823, erschien Lichtenstein's „Verzeichniss der Doppelten des zoologischen Museums der Königl. Universität zu Berlin“, ein Werkchen, welchem die Wissenschaft zum Theil aus dem Grunde einen dauernden Werth zugestanden hat, weil es die erste umfassendere kritische Benützung und Berücksichtigung der „Páxaros“ enthält. Unter 120 darin aufgeführten brasilianischen vom Verfasser mit Arten Azara's für identisch erklärten Vögeln befinden sich etwa 50, welche, da derselbe das „Dictionnaire d'histoire naturelle“ noch nicht kannte, von ihm systematische Benennungen erhalten, die denn freilich mit wenig Ausnahmen durch die früheren Vieillot's in den Rang von Synonymen zurückgedrängt werden. Eine sehr angemessene Würdigung finden Azara's Arbeiten in des Prinzen von Neuvied trefflichen „Beiträgen zur Naturgeschichte Brasiliens“. Etwa 150 Vögelarten Paraguay's glaubt derselbe für mit von ihm beobachteten gleichartig halten zu dürfen, und häufig findet er Gelegenheit des spanischen Naturforschers Bemerkungen über Lebensweise mit seinen eigenen zusammenzustellen und zu bestätigen.“

1807. HUMBOLDT, A. V. Über die Chinawälder in Südamerika. < *Mag. Gesell. Naturf. Freunde zu Berlin*, i, 1807, pp. 57-68.
 Behandelt Vögel, p. 59.

1808. MOLINA, G. I. The | Geographical, | Natural and Civil History | of | Chili.
 | — | By Abbe Don J. Ignatius Molina. | — | Illustrated by a half-sheet map
 of the country. | — | With notes | from the Spanish and French versions, | and
 | an appendix, | containing copious extracts from the Araucana | of Don Alonzo
 de Ercilla. | — | Translated from the original Italian, | by an American gentle-
 man [A. Alsop]. | — | In two volumes. | Vol. I [II]. | — | Middletown, (Con-
 n[ecticut, U. S.].) | Printed for I. Riley, | — | 1808. 2 vols. 8vo size, 4to by
 sigs., 4 ll. to a sig. Vol. I, 4 p. ll., pp. i-xii, 1-271, 1 l., map. Vol. II, 1 p. l.,
 pp. i-viii, 1 blank l., 1-306, 1 unpagd p., 1 blank l.; (Appendix), pp. i-iv,
 5-68.

See the original edition, 1782. In this, the earliest English version I know of, the bird-matter is in vol. I, chap. IV, sect. V, pp. 162-188, with the original Latin diagnoses at pp. 240-242; see also p. 268. *Phytotoma* here becomes "Phitotoma". As in some other versions, the footnotes of the original are here dispensed with, and the technical names are inserted in the text in parentheses.

"The author of the present work, Don Juan Ignatius [*i. e.* Giovanni Ignazio] Molina, was a native of Chili, distinguished for his literary acquirements, and particularly his knowledge of natural history, large collections in which he had made during his residence in that country. On the dissolution of the celebrated order of the Jesuits, of which he was a member, he shared the general fate of that community, in being expelled from the territories of Spain, and was at the same time deprived not only of his collections in natural history, but also of his manuscripts. The most important of the latter relative to Chili, he had, however, the good fortune to regain by accident some time after his residence in Bologna, in Italy, whither he had gone on his arrival in Europe. Furnished with these materials, he applied himself to writing the History of that country, which was published at two different periods; the first part, comprising the Natural History, in the year 1787 [*qu. 1782*], and the second, for reasons mentioned in his preface, not until some years after."

1809. AZARA, F. DE. Voyages | dans | l'Amérique Méridionale, | par Don Félix de Azara. | Commissaire et Commandant des limites Espagnoles de Paraguay | depuis 1781 jusqu'en 1801; | Contenant la description géographique, politique et civile du | Paraguay et de la rivière de La Plata; l'histoire de la découverte et de la conquête de ces contrées; des détails nombreux sur leur histoire naturelle, et sur les peuples sauvages | qui les habitent; le récit des moyens employés par les | Jésuites pour assujétir et civiliser les indigènes, etc. | Publiés d'après les manuscrits de l'auteur, | avec une notice sur sa vie et ses écrits, | Par C. A. Walckenaer; | enrichis de notes par G. Cuvier. | Secrétaire perpétuel de la classe des Sciences Physiques de l'Institut, etc. | Suivis de l'histoire naturelle des Oiseaux du Paraguay et de La Plata, par | le même auteur, traduite, d'après l'original espagnol, et augmentée | d'un grand nombre de notes, par M. Sonnini; | Accompagnés d'un atlas de vingt-cinq planches. | Tome Premier [-Quatrième]. | — | Paris, | Dentu, Imprimeur-Libraire, | Rue du Pont-de-Lodi, n° 3. | 1809. 4 vols. small 8vo, and large 4to atlas. Vols. I, II, no ornithology. Vol. III, 2 p. ll., pp. i. ii. 1-479. Vol. IV, 2 p. ll., pp. 1-350. Atlas, 4to, same date and imprint, titled Voyages | dans | L'Amérique méridionale, | par Don Félix de Azara. | — | Collection de planches. 2 ll. of text, pll. xxv, of which xxii-xxv are of birds.

In this French version by Sonnini, much better known than the original, Azara's *Apuntamientos para la historia natural de los Páxaros de Paraguay*, etc., are contained in the third and fourth volumes; four birds are figured in the atlas. Sonnini's translation is considered "meritorious", but has its shortcomings. See especially Hartlaub's *Systematischer Index*, 1847.

1809. MOLINA, G. I. The | Geographical, | Natural, and Civil | History of Chili. | Translated from the original Italian of | the Abbe Don J. Ignatius Molina. | — | To which are added, | Notes | from the Spanish and French versions, | and | two Appendixes, | by the English editor: | [etc., 5 lines.] | — | In two volumes. | — | Vol. I [II]. | — | [London:] printed for Longman, Hurst, Rees, and Orme. | Paternoster-row. | — | 1809. 2 vols. 8vo. Vol. I, pp. i-xx. 1-321+1½ ll. advt., map. Vol. II, pp. i-xii. 1-385+1½ ll. advt.

See the original edition, 1782. This is apparently reprinted from the Middletown (Conn.) ed. of 1808, *q. v.*, with which it is substantially identical in the ornithological matter. Birds: Vol. I, Chap. IV, sect. V, pp. 191-222, and pp. 282-284; see also p. 317. But the English editor (as I may state for others than ornithologists) has added occasional notes over the initials E. E., and subjoined a further elucidation of the language of the Araucanos, from Falkner's Patagonia, besides adding the two appendixes mentioned in the title.

1810. LEDRU, A.-P. Voyage aux Iles de Ténériffe, la Trinité, Saint Thomas, Sainte-Croix et Porto-Ricco, . . . &c. Par Andre-Pierre Ledru . . . &c. Paris. 1810. 2 vols. 16mo. [See complete title beyond, APPENDA.]

Not seen: cited from *Ibis*, 1839, pp. 374, 375. M. Ledru was one of the naturalists (with Mauge) of the expedition commanded by Captain Baudin in 1796-98. His work contains (vol. II, pp. 36 et seq.) an "Essai sur l'histoire naturelle des îles danoises", by M. Sonnini, in which ornithology is represented by a variety of matter, some of it wild.

1810. MOLINA, G. I. Saggio | sulla Storia Naturale del Chili | di | Gio: Ignazio Molina | Seconda Edizione | accresciuta e arricchita di una nuova carta geografica | e del ritratto dell' autore. | „Hic vir assiduum, atque alienis mensibus aestas. . . Bis gravidæ pecudes, his pomis utilis arbor . . . „Hæc eadem argenti rivos, aerisque metalla | „Ostendit venis, atque anno plurima fluxit | Virg. Georg. lib. 2. | Bologna 1810. | — | Tipografia de' fratelli Masi e comp. | 1 vol. Large 4to. Title, backed blank, frontisp. (portrait of Molina), dedication 2 ll., preface pp.)(i)(-)(v)(. p. vi blank; pp.)(1)(-)(306)(; 1 l. errata; map.

The second *Italian* edition (original edition, 1782); but there had meanwhile been sundry others, in Spanish, French, German, and English, *qq. vv.* Respecting the present, the author says in the preface:—"Il Saggio sulla Storia naturale del Regno del Chili venuto alla luce nell' anno 1782 non era altro che un succinto Compendio delle Osservazioni da me fatte circa gli Esseri appartenenti ai tre Regni della Natura, che si ritrovano in quel Paese. . . Tutti le Nazioni colte dell' Europa lo vellerò tradotto nelle loro lingue. L'edizione originale fu ben presto smaltita. Parecchi dilettranti di storia naturale, che non potevano più provvedersene, s'accordarono a farne una ristampa, e mi significarono il desiderio che avevano di arricchirla di un' appendice, so io fossi in grado di somministrar loro i materiali necessarij."

1810. MOLINA, G. I.—Continued.

In this late edition, the ornithology occupies § xiii—§ xvii, pp. 197–226. It is entirely remodelled, largely rewritten, and much augmented. While all the earlier versions of "Molina" are substantially the same as the original of 1782, the present is therefore quite a different thing, and should be gingerly touched, by any one unfamiliar with the original, in any matter relating to nomenclature, or authority for species. The Latin diagnoses and the footnotes of the original have all disappeared, and with them has gone Molina as an original authority; he is here like another person or editor compiling from and enlarging upon "Molina". The following names occur here:—

Anas regia "Frez.", *A. picta* "Lath.", *A. coscoroba* "Diz. Chil.", *A. hybris* "Diz. Chil.", p. 198. *A. dispar*, *A. magellanica* "Lath.", *A. melanocorypha* "Bougainv.", *Pelecanus thagus* "Diz. Chil.", p. 199. *P. carunculatus* "Lath.", *P. cristatus* "Lath.", p. 200. *P. magellanicus* "Lath.", *Aptenodytes maxima*, *patagonica* "Lath.", p. 201. *A. cyanocephala*, *papua* "Lath.", *A. saltatrix*, *chrysocome* "Lath.", *A. præcineta*, *magellanica* "Lath.", *A. chilensis* "Diz. Chil.", *A. chilensis* "Lath.", p. 202. *Phœnicopterus chilensis* "Oval. Stor.", p. 203. *Tantalus pillus* "Diz. Chil.", *Ardea cyanocephala*, p. 204. *A. erythrocephala* "Vid.", *A. galatea*, *A. alba*, *ligthula* "Diz. Chil.", *Parra chilensis* "Diz. Chil. Oval.", p. 205. *Fringilla barbata* "Diz. Chil. Ov.", p. 209. *F. diuca* "Diz. Chil.", p. 210. *Turdus thilius* "Diz. Chil.", *T. curæus* "Diz. Chil.", p. 211. *T. militaris* "Lath.", p. 212. *T. thenca* "Diz. Chil.", p. 213. *Phytotoma rara* "gen. nov. Vid." [!], p. 214. *Picus pileatus* [!], *P. lineatus*, *al. lignarius*, *P. pitius*, p. 215. *Psittacus cyanolysios*, *P. choraëus*, p. 216. *P. jahuilma*, *Columba turtur* [!], *C. melanoptera*, *C. passerina*, p. 217. *Tetrao perdix* [!], *Strix cuculularia*, p. 218. *Otis chilensis* "Diz. Chil.", p. 219. *Struthio rheca* "Linn. Diz. Chil. Oval.", *Vultur iota* "Diz. Chil.", p. 220. *Falco tharus* "Diz. Chil.", p. 221. *F. calquin* "Diz. Chil.", *Vultur gryphus* "Linn.", p. 223.

1814-26. LICHTENSTEIN, H. Die Werke von Maregrave und Piso über die Naturgeschichte Brasiliens n. s. w. < *Abhandl. Berlin. Akad. (Phys. Kl.)*, 181 $\frac{1}{2}$, pp. 201–222; 181 $\frac{6}{7}$, pp. 155–178; 182 $\frac{3}{21}$, pp. 237–257, 267–288; 1826, pp. 49–66.

It appears from Carus and Engelmann, that Lichtenstein's commentary on Piso and Maregrave originally appeared in instalments in *Abhandl. Berlin. Akad.* during several years; but I cannot now lay hands on the *Abhandlungen*. I give beyond, 1820 and 1824, titles taken from *Isis*, of what I suppose to be substantially the same thing, as far as the birds are concerned; the whole commentary, as above cited, relating also to other animals.

1819. AXON. [Notice of Spix and Martius's Brazilian Birds.] < *Isis*, Jahrg. iii, 1819, pp. 1346–1350.1820. LICHTENSTEIN, H. Maregrave's und Piso's Berichte über die Brasilischen Thiere, erläutert aus den wiederaufgefundenen Original-Abbildungen. < *Oken's Isis*, Jahrg. iv, 1820, *Litter. Anzeig.*, pp. 635–652. (Vorgelesen in der Berliner Akademie 17. April 1817.)

An important commentary on the work, identifying the names and descriptions of these authors, as far as the birds are concerned.—See preceding title; also, 1824, same author.

1820. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Reise des Prinzen Maximilian von Wied-Neuwied. Gedrängter Auszug aus dem ersten Theile desselben. Frankfurt bei Brönnner. 4. < *Oken's Isis*, Jahrg. iv, 1820, *Litter. Anzeig.*, pp. 809–832, 965–990.1820. SCHREIBERS, C. v. Nachrichten von den kaiserl. österreichischen Naturforschern in Brasilien und den Resultaten ihrer Betriebsamkeit, vom Hof-Naturalien-cabinets-Direktor C. v. Schreibers. Brünn bey Tratzler 1820. 8. 191 nebst 1 Abb. v. Rio Janeiro und einem Plan der Stadt. < *Oken's Isis*, Jahrg. iv, 1820, pp. 289–309.

Vergleiche 1823, SCHREIBERS, C. v.

1820-21. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Reise | nach | Brasilien | in den Jahren 1815 bis 1817 | von Maximilian | Prinz zu Wied-Neuwied. | — | Mit zwei und zwanzig Kupfern, | neunzehn Vignetten und drei Karten. | — | Erster [zweyter] Band. | — | Frankfurt a. M. 1820 [1821]. | Gedruckt und verlegt bei Heinrich Ludwig Brönnner. 2 vols. Gr. 4to. Vol. I, 1820, pp. xxxvi, 350, 3 ll. Vol. II, 1821, pp. xviii, 346.

1821-22. MAXIMILIEN, PRINCE DE WIED-NEUWIED. Voyage | au Brésil, | dans les années 1815, 1816 et 1817, | par S. A. S. Maximilien, | Prince de Wied-Neuwied; | traduit de l'Allemand | par J. B. B. Eyriès. | Ouvrage enrichi d'un Bull. v, 2—7

- 1821-22. MAXIMILIAN, PRINCE DE WIED-NEUWIED.—Continued.
superbe atlas, composé de 41 planches | gravées en taille-douce, et de trois
cartes. | — | Tome Premier [Second, Troisième]. | — | Paris, | Arthur Ber-
trand, Libraire, | Rue Hautefeuille, n° 23. | 1821 [1821, 1822]. | H. Baillière,
219, Regent street, London. 3 vols. 8vo. Vol. I, 1821, pp. xvj, 399. Vol. II,
1821, 2 p. ll., pp. iii, 400. Vol. III, 1822, 2 p. ll., pp. iii, 384, 3 maps.
1822. DOBRIZHOFFER, M. An | Account | of | the Abipones, | An Equestrian People |
of | Paraguay. | — | From the Latin of Martin Dobrizhoffer, | eighteen years
a missionary in that country. | — | In three volumes. | Vol. I[—III]. | — | Lon-
don: | John Murray, Albemarle street. | 1822. 3 vols. 8vo.
Orig. ed. Latin, Vienna, 1784; ed. alt. Germ., ibid., 1784.—This English translation is anony-
mous, said to be by Sara Coleridge. Vol. I contains, pp. 308-333, accounts of sundry birds
of Paraguay, of no special consequence.
1822. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Reise nach Brasilien in den Jahren
1815-17, von Maximilian, Prinz zu Wied-Neuwied. 2ter Band. Frankfurt a.
M. bei Brönnner, 1821. 4. 345. mit 8 Kupf. in 4. und 8 in Fol. nebst 1 Charte.
< *Oken's Isis*, Jahrg. vi, 1822, *Litter. Anzeig.*, pp. 249-262, 265-280.
1822. SAINT-HILAIRE, AUGUSTE DE. Aperçu d'un Voyage dans l'intérieur du Brésil,
La province Cisplatine et les Missions dites du Paraguay. < *Mém. du Mus.
d'Hist. Nat.*, ix, 1822, pp. 307-380.
Note sur la *Cariama*, p. 323; *Oriolus aurantius* Valenc., p. 324.
1822. THUNBERG, C. P. Piprae novae species descriptae. < *Mém. de l'Acad. St.-Pé-
tersb. for 1817-1818*, viii, 1822, pp. 282-287, pll. vii, viii.
PP. caudata (pl. 7, f. 1), forficata (pl. 7, f. 2), lineata (pl. 8, f. 1), cyanea (pl. 8, f. 2), viridis
(pl. 8, f. 3), virens, pusilla (pl. 8, f. 4), fasciata, frontalis, cephalaeus, flavogaster, brunea,
atra—nec omnes Piprae generis sunt.
1823. ANON. Brasilianisches Museum in Wien. < *Oken's Isis*, Jahrg. vii, 1823, Bey-
lage No. 9.
Remarks upon the specimens contained, with notes on the birds *passim*.
1823. SCHREIBERS, C. V. Nachrichten von den kaiserl. österreichischen Naturfor-
schern in Brasilien und den Resultaten ihrer Betriebsamkeit. < *Oken's Isis*,
Jahrg. vii, 1823, pp. 714-724.
Aus Amtsrelationen der k. k. Gesandtschaft und aus den Berichten der Naturforscher an
Herrn v. Schreibers, und nach Untersuchung der eingesendeten Gegenstände u. s. w. (Brünn,
bey Tratzler, Hft. 2, 1822, 8°, SS. 114.)—Unter den Vögeln, von 61 verschiedenen Arten,
befinden sich 2 Geyer, 23 Papageyen, 69 Singvögel, 25 Tauben, 2 Hühner u. s. w.—Vergl. 1820,
SCHREIBERS, C. V.
1823. SCHREIBERS, C. V. Nachrichten von den kaysrl. österreichischen Naturfor-
schern in Brasilien den Resultaten ihrer Betriebsamkeit. < *Oken's Isis*, Jahrg.
vii, 1823, pp. 1042-1065.
Aus Amtsrelationen der k. k. Gesandtschaft und aus den Berichten der Naturforscher. Von
Hrn. von Schreibers und nach Untersuchung der eingesendeten Gegenstände u. s. w. (Brünn,
bey Tratzler, Heft 2, 1822, 8°, SS. 114.)—Vögel, pp. 1061-1063.—Vergl. 1820, SCHREIBERS, C. V.
- 1823-31. SPIX, J. B. V., and MARTIUS, C. F. E. Reise in Brasilien auf Befehl Sr.
Majestät Maximilian Joseph I. Königs von Baiern in den Jahren 1817 bis
1820 gemacht und beschrieben von Dr. Joh. Bapt. von Spix, und Dr. Carl
Frieder. Phil. von Martius. München, 1823[—1831]. 3 Thle. 4to.
[See beyond, APPEND A.]
1824. DESM . . ST [DESMAREST, A. G.] Abbildungen zur Naturgeschichte Brasiliens
. . . par le prince Maximilien . . . < *Féruss. Bull.*, 2^e sect., ii, 1824, p. 191.
1824. F[ÉRUSSAC, — DE ?] Abbildungen zur Naturgeschichte Brasiliens. . . .
< *Féruss. Bull.*, 2^e sect., iii, 1824, pp. 221, 222.
1824. LICHTENSTEIN, H. Die Werke von Maregrave und Piso, über die Naturge-
schichte Brasiliens, erläutert aus den wieder aufgefundenen Original-Abbil-
dungen von Lichtenstein. < *Oken's Isis*, Jahrg. viii, 1824, *Litter. Anzeig.*, pp.
57-74.
Aus d. *Abhandl. Berl. Akad.*—Vergl. auch 1820, LICHTENSTEIN, H.

- 1824-25. SPIX, J. B. V. "Avium species novae, quas in itinere per Brasiliam annis 1817-20 collegit et descripsit. 2 vols. Folio. Monachii, 1824-25. Vol. I, 1824, pp. 90, pll. 104. Vol. II, 1825, pp. 85, pll. 118."
Not seen,—as I specially regret to say in this case.
1825. ANON. Beiträge zur Nat. Gesch. v. Brasilien von M. Prinzen zu Wied. Weimar, Landes-Industrie-Comptoir. 1825, 8. B. I. 612 mit 3 Kpfrt. <Oken's Isis, Jahrg. ix, 1825, pp. 1335-1340.
Vögel, pp. 1337, 1338.
1825. BONAPARTE, C. [L.] Descriptions of ten species of South American Birds. <Journ. Acad. Nat. Sci. Phila., iv, 1825, pp. 370-387.
Monasa fusca Bp., *Picus rubricollis* var.?, *Dendrocolaptes angustirostris*, *Fringilla flaveola*, *Tanagra flava*, *Muscicapa violenta* Bp., *Muscicapa taenioptera* Bp., *Muscicapa pullata* Bp., *Caprimulgus semitorquatus*, *Rallus nigricans*.
1825. BONAPARTE, C. [L.] Notes to the paper entitled Descriptions of ten species of South American Birds. <Journ. Acad. Nat. Sci. Phila., v, 1825, pp. 137-140.
Picus rubricollis and 3 spp. of *Rallus*. *R. melanurus* Bp., p. 139.—Also separate, pp. 4.
1825. LESSON, [R.] P. Remarques sur quelques Oiseaux de la province de Rio-de-Janeiro et des environs de Monte-Vidéo; . . . par MM. Quoy et Gaimard. . . . <Féruss. Bull., 2^e sect., vi, 1825, p. 93.
Extrait des Annales des Sci. Nat., t. iv, Avril 1825, pp. 474-481, q. v.
1825. LESSON, R. P. Description de dix espèces d'oiseaux de l'Amérique méridionale . . . ; par Ch. Bonaparte. . . . <Féruss. Bull., 2^e sect., vi, 1825, pp. 412, 413.
Journ. Phila. Acad., iv, No. 12, Mai 1825, pp. 370-387, q. v.
1825. QUOY, J. R. C., and GAIMARD, J. P. Remarques sur quelques Oiseaux de la province de Rio-de-Janeiro et des environs de Montévidéo; sur leurs mœurs et leur distribution géographique. <Ann. des Sci. Nat., iv, 1825, pp. 474-481.
1825. SPIX, J. B. V., and MARTIUS, C. F. P. Musical Thrush [?] of Brazil. <Edinb. Philos. Journ., xii, 1825, pp. 186, 187.
From 'Travels in Brazil'.
1825. SUCH, G. Descriptions of some hitherto uncharacterized Brazilian Birds. <Zool. Journ., ii, 1825, pp. 110-117, pl. 4.
Galbula ceycoides, p. 112; *Gubernetes* (g. n., p. 114) *cunninghami*, p. 114, pl. 4; *Dendrocolaptes crassirostris*, *D. fortirostris*, p. 115; *Ardea fasciata*, p. 117.
- 1825-33. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Beiträge zur Naturgeschichte von Brasilien. . . . Weimar. 1825-33. 4 vols. 8vo.
This is the date of the whole work: see vols. III, IV, cited beyond, 1830-33.
1826. GARNOT, P. Remarques sur la Zoologie des îles Malouines, faites pendant le Voyage autour du monde de la Corvette la Coquille, exécuté en 1822, 1823, 1824 et 1825. <Ann. des Sci. Nat., vii, 1826, pp. 39-59.
Sylvia macloviana, p. 44; *Certhia antarctica*, p. 45; *Charadrius pyrocephalus*, *Tringa uvillii*, p. 46; *Haematopus leucopodus*, p. 47; *Podiceps occipitalis*, p. 50; *Procellaria lessonii*, p. 54; *Anser antarcticus*, p. 58, spp. nn.—Observations sur le *Chionis*.
1826. LESS[ON, R. P.] Description de quelques oiseaux du Brésil jusqu'à présent mal caractérisés, par George Such. . . . <Féruss. Bull., 2^e sect., vii, 1826, pp. 246, 247.
Zool. Journ., ii, No. 5, 1825, pp. 110-117.
- 1826-27. SCOULER, J. Account of a Voyage to Madeira, Brazil, Juan Fernandez, and the Gallapagos Islands, performed in 1824 and 1825, with a view of examining their Natural History, &c. <Edinb. Journ. Sci., v, 1826, pp. 195-214; vi, 1827, pp. 51-73, 228-236.
Containing cursory remarks on birds, especially *Procellariidæ*.
1827. [EDITORIAL.] [Note on Mr. W. S. MacLeay's "Remarks on the comparative anatomy of certain Birds of Cuba" (in Trans. Linn. Soc. ?).] <Philos. Mag., i, 1827, p. 65.
1827. GARNOT, P. Notice respecting the Zoology of the Falkland Islands. <Edinb. Journ. Sci., vi, 1827, pp. 321-325.
Translated from *Ann. Sc. Nat.*, vii, 1826, pp. 39-59. A summary of the ornithological features occupies most of the article.

1827. L[UTROTH], S. G. Remarques sur la zoologie des îles Malonines, . . . ; par M. Garnot. . . < *Féruss. Bull.*, 2^e sect., x, 1827, pp. 127-129.
Ann. des Sc. Nat., Janv. 1826, pp. 39-59.
- 1827-28. KING, P. P. Extracts from a letter addressed by Capt. Philip Parker King, R. N., F. R. S. and L. S., to N. A. Vigors, Esq., on the Animals of the Straits of Magellan. < *Zool. Journ.*, iii, 1827, pp. 422-432; iv, 1828, pp. 91-105, pl. suppl. 29.
 I. *Halæetus erythronotus*, p. 424; *Strix rufipes*, p. 426; *S. nana*, p. 427; *Sylvia dorsalis*, p. 428; *S. obscura*, p. 429; *Picus magellanicus*, p. 430; *Mellisuga kingii* Vig., p. 432, spp. nn.—Annotations throughout by Mr. Vigors. II. *Columba meridionalis*, p. 92; *Scolopax magellanicus*, p. 93; *Rhynchæa occidentalis*, *Rallus setosus*, p. 94; *Rallus antarcticus*, *Fulica chloropoides*, p. 95; *F. gallinuloides*, *Charadrius rubecola*, p. 96; *Anas raflesii*, p. 97, pl. suppl. 29; *Anas specularis*, *A. specularioides*, p. 98; *A. creceoides*, p. 99; *Oidemia patachonica*, p. 100; *Podiceps leucopterus*, *Phalacrocorax niger*, p. 101; *P. atriceps*, p. 102; *P. cirriger*, *Larus hæmatorhynchus*, p. 103, spp. nn.
1828. ANON. Avium species novae, quas in itinere per Brasiliam annis 1817-1820 collegit et descripsit Dr. J. B. de Spix. Tabulæ lithographicae 118 a M. M. Schmid sculptæ. Monachii 1825. 4. maj. < *Oken's Isis*, Bd. xxi, 1828, pp. 88-92.
Inhaltsverzeichniss der Tafeln, Vögel, pp. 89-92.
1828. LESSON, [R. P.] Extrait d'une lettre adressée à M. Vigors par le capitaine King, sur les productions animales du détroit de Magellan. . . < *Féruss. Bull.*, 2^e sect., xv, 1828, pp. 150, 151.
Zool. Journ., No. 11, 1827, pp. 422-432, and No. 13, 1828, pp. 91-105.
1828. LESSON, [R. P.] Notes à ajouter au mémoire intitulé: Description de dix espèces d'Oiseaux américains; par Charles Bonaparte. . . < *Féruss. Bull.*, 2^e sect., xiii, 1828, p. 240, 241.
Journ. Phila. Acad., v, pp. 137-140: voyez *Féruss. Bull.*, vi, 1825, pp. 412, 413.
1828. VIGORS, N. A. On some species of Birds from Cuba. < *Zool. Journ.*, iii, 1828, pp. 432-448.
 Treats of 45 spp. *Accipiter fringilloides*, p. 434; *Falco sparveriioides*, p. 436; *Pyrrhula collaris*, p. 440; *Colaptes fernandinae*, p. 445; *Columba inornata*, p. 446, spp. nn.—The above is a sub-title of Art. XLVI, "Sketches in Ornithology," etc.
1829. ANON. Notices Zoologiques communiquées par le Dr. Poeppig, pendant son voyage dans le Chili. . . < *Féruss. Bull.*, 2^e sect., xix, 1829, pp. 95-104.
 Extrait de *Fror. Notizen*, No. 529, juillet 1829.
1829. ANON. Abbildungen zur Naturgeschichte Brasiliens, herausgegeben von Maximilian, Prinzen von Wied. Weimar, Industrie-Comptoir. Lief. xii. 28. Fol. ill. < *Oken's Isis*, Bd. xxii, 1829, pp. 74, 75.
1829. BECKLIMICHEW, A. Notice sur deux nouvelles espèces d'oiseaux du Brésil. < *Nouv. Mém. Soc. Imp. Nat. de Moscou*, i, 1829, pp. 375-390.
 Not seen: title from *Roy. Soc. Cat.*
1829. FÉRUSAC, — DE. Voyage de M. Alcide d'Orbigny dans le sud de l'Amérique méridionale. < *Féruss. Bull.*, 2^e sect., xix, 1829, pp. 212-222.
1830. [FISCHER, G.] [Note sur les Oiseaux envoyés par M. Coffrane de Bahia en Amérique.] < *Bull. Soc. Imp. Nat. Moscou*, ii, 1829, p. 10.
1830. KING, P. P. Ueber die Thiere an der Magellans-Strasse. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1181-1183, 1234-1236.
 Aus dem *Zool. Jour.*, 1827, pp. 422-432, und 1828, pp. 91-105. Vergl. 1827-28, KING, P. P.
1830. KING, P. P. [Characters of New Genera and Species of Birds from the Straits of Magellan.] < *P. Z. S.*, i, 1830, pp. 14-16, 29, 30.
Turdus magellanicus, *Psittacara leptorhyncha*, *Picus melanocephalus*, p. 14; *Hylactes* (n. g.) *tarnii*, *Columba fitzroyii*, *Cygnus anatoides*, *Anser inornatus*, *Micropterus patachonicus*, *Anas chilensis*, *A. frentensis*, p. 15; *Synallaxis anthoides*, *Dendrocolaptes albobularis*, *Trochilus fernandensis*, *T. stokesii*, *Phalacrocorax imperialis*, *P. sarnientonus*, *P. erythrops*, p. 30.
1830. MACLEAY, W. S. Bemerkungen über die vergleichende Anatomie verschiedener Vögel aus Cuba, mit Rücksicht auf ihren Platz im System. < *Oken's Isis*, Bd. xxiii, 1830, pp. 895-898.
 Auszug aus den „*Trans. Linn. Soc. Lond.*“, xvi, p. 149, tb. 1-15“ (?).

- 1830-? D'ORBIGNY, A. Extrait de deux Lettres à M. de Férussac, de Buenos-Ayres le 30 Oct. 1828 et de Rio Negro le 18 Févr. 1829, sur l'Histoire Naturelle de ces Contrées. < *Féruss. Bull.*, xix, p. 212.
Not seen: title from Ag. & Strickl. *Bibl.*
1830. SUCH, G. Einige unbestimmte brasilische Vögel. < *Oken's Isis*, Bd. xxiii, 1830, pp. 843, 844.
Auszug aus dem *Zool. Jour.*, ii, 1825, pp. 110-117, q. v.
1830. VIGORS, N. A. Ueber einige Vögel aus Cuba. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1165-1168.
Zool. Journal, No. xi, p. 432.
- 1830-33. MAXIMILIAN, PRINZ ZU WIED. Beiträge | zur | Naturgeschichte | von | Brasilien, | von | Maximilian, Prinzen zu Wied. | — | III. [IV.] Band. | Erste [Zweite] Abtheilung. [. . .] | — | Weimar, | [. . .] 1830 [-1833]. 8vo. Vol. III, Erste Abth., 1830, 2 p. II., pp. 1-636; Zweite Abth., 1831, pp. xii, 637-1278 + 1 l., mit einer Tafel (figg. 1-7). Vol. IV, Erste Abth., 1832, 2 p. II., pp. 1-442; Zweite Abth., 1833, pp. viii, 443-946, mit 2 Tafeln (figg. 1-10, 1-5).
The secondary title of this work is:—Verzeichniss | der | Amphibien, Säugethiere und Vögel, | welche | auf einer Reise zwischen dem 13ten und dem 23ten | Grade südlicher Breite | im östlichen Brasilien | beobachtet wurden.—As above indicated, Birds occupy the 3d and the 4th Band, each of 2 Abtheilungen; in all, 4 vols., the pagination of the two portions of each Band being continuous. Some 450 spp. or more are systematically treated, the text being chiefly descriptive, but also including general matter, and some little criticism and synonymy. The author's new species appear to have been already described in his 'Reise', or elsewhere, and many of them were figured by Temminck in the Planches Coloriées. The three copper-plates represent some anatomical subjects, bills, and feet.—Whole work, 1825-33.
1831. KING, P. P. [On the distinctive characters of several species of Birds from the Straits of Magellan.] < *Philos. Mag.*, ix, 1831, pp. 226, 227.
Synallaxis anthoides, *Dendrocolaptes albo-gularis*, p. 226; *Trochilus fernandensis*, *T. stokesii*, *Phalacrocorax imperialis*, *P. sarmientonus*, *P. erythrops*, p. 227. From *P. Z. S.*, Jan. 25, 1831.
1831. VIGORS, N. A. [Remarks on the exhibition of several new species of birds from the Straits of Magellan.] < *Philos. Mag.*, ix, 1831, pp. 64-66.
From *P. Z. S.*, Dec. 14, 1830. Being those collected by P. P. King, and described from his MSS.
1832. GARNOT, [P.] Ueber die Zoologie der Malwinen zwischen 52 und 53° S. B. und 56—60° W. L., östlich von Patagonien. < *Oken's Isis*, Bd. xxv, 1832, pp. 180-184.
Auszug aus *Annales des Sciences*, t. vii, 1826, p. 39. (Lesson und D'Urville, *Voy. Coquille*.)
1832. MAXIMILIAN, PRINZ ZU WIED. Beiträge zur Naturgeschichte von Brasilien von Maximilian, Prinzen zu Wied. Weimar, Ind. Compt. Bd. 3. Abth. 1. 30. 8. 636; Abth. 2. 31. 637-1278. < *Oken's Isis*, Bd. xxv, 1832, pp. 56-60.
Auszug, SS. 55 u. folg. Vögel, pp. 57-60.
1832. VIGORS, N. A. [Characters of New Species of Birds collected by Mr. Cuming in Chili and Mexico.] < *P. Z. S.*, ii, 1832, pp. 3, 4.
Capito aurifrons, *Xanthornus chrysocarpus*, *Aglaia chilensis*, p. 3; *Picus aurocapillus*, *Coccothrauste chrysopleus*, *Ortyx spilogaster*, p. 4.
1834. GEOFFROY ST. HILAIRE, ISID., and DE BLAINVILLE, H. M. D. Rapport sur les résultats scientifiques du voyage de M. Alcide D'Orbigny dans l'Amérique du sud, pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832 et 1833. < *Nouv. Ann. du Mus.*, iii, 1834, pp. 84-115.
Quant aux oiseaux . . . etc., pp. 92 et seq.
1834. GOULD, J. Sur des Oiseaux de l'Amérique Méridionale. < *L'Institut*, ii, 1834, No. 64, p. 252.
Not seen: title from Carus and Engelmann, *Bibl.*
1834. HEARNE, J. [Note on Birds of Hayti.] < *P. Z. S.*, ii, 1834, p. 25.
1834. HEARNE, J. [Letter accompanying a Present of several Living Animals from the Island of Hayti.] < *P. Z. S.*, ii, 1834, p. 110.

1834. KING, P. P. Vögel von Magellanstrasse. <Oken's Isis, Bd. xxvii, 1834, pp. 818, 819.

Auszug aus *Philos. Mag.*, ix, 1831, pp. 226, 227.

1834. VIGORS, N. A. Ueber Kings Vögel von der Magellaustrasse. <Oken's Isis, Bd. xxvii, 1834, pp. 815, 816.

Aus *Philos. Mag.*, ix, 1831, pp. 64-66.

- 1834-41. SWAINSON, W. Ornithological Drawings: a Selection of Birds of Brazil and Mexico. London. Pub. in seven parts, 1834-41. 8vo. 78 pl.

Not seen: others quote a literally very different title. [See beyond, ADDENDA.]

1835. HEARNE, J. [Notice of a Collection of Bird-skins, 16 spp., formed by him in Hayti.] <P. Z. S., iii, 1835, p. 105.

1835. VIGORS, N. A. [Thiere von Cuning von Vigors bestimmt.] <Oken's Isis, Bd. xxviii, 1835, pp. 365, 366.

Aus Chili und Mexico. Auszug aus *P. Z. S.*, 1832, pp. 3, 4, q. v.

- 1835-44-47. D'ORBIGNY, A. Voyage | dans | L'Amérique Méridionale | (le Brésil, la République Orientale de l'Uruguay, la République | Argentine, la Patagonie, la République du Chili, la République de Bolivia, | la République du Pérou), | exécuté pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832 et 1833, | par | Alcide d'Orbigny, | Chevalier de l'Ordre royale de la Légion d'Honneur, Officier de la Légion d'Honneur de la République | Bolivienne, Président de la Société Géologique de France et Membre de plusieurs Académies | et Sociétés savantes nationales et étrangères. | Ouvrage dédié au Roi, | et publié sous les auspices de M. le Ministre de l'Instruction publique | (commencé sous le ministère de M. Guizot). | — | Tome Quatrième. | 3.^e Partie: Oiseaux. | — | Paris, | chez P. Bertrand, éditeur, | Libraire de la Société géologique de France, | rue Saint-André-des-Arcs. 28. | Strasbourg. | chez V.^e Levraut, rue de Juifs, 33. | — | 1835-1844. Very large 4to. 3 p. ll. (titles, each backed blank), pp. i-iiij (advts.), pp. 1-395, with col'd folded map.—Also, Atlas Zoologique, being Vol. IX of the series. Oiseaux, 4to, pll. 1-6, 6 bis, 7-66 (= 67), 1847.

The above title is that of Part 3 of Vol. IV, being the Birds, separately paged from the rest of the volume, and furnished with 3 title-pages. The composition of the whole work is: Tomes I, II, and III, Partie 1, Partie Historique. Tome III, Partie 2. Géographie; Partie 3, Géologie. Tome IV, Partie 1, Homme Américain; Partie 2, Mammifères; Partie 3, OISEAUX; Tome V, Partie 1, Reptiles; Partie 2, Poissons; Partie 3, Mollusques; Partie 4, Polypiers; Partie 5, Foraminifères. Tome VI, Partie 1, Crustacés; Partie 2, Insectes. Tome VII, Parties 1 et 2, Cryptogames; Partie 3, Palmiers. Tome VIII, ATLAS Historique, Géographique, Géologique, Paléontologique et Botanique. Tome IX, ATLAS Zoologique, comprenant les Mammifères, les OISEAUX, etc.

The date of the ornithological text is 1833-44, as per title-page; that of the ornithological atlas is ostensibly 1847, but the plates are cited in the text. The Atlas Zoologique forms the IX. and last vol. of the series. It has no text except the title-page, which corresponds closely, but is not identical with that of the text above cited, the author having added more titles after his name, and another change being of course to | — | Tome Neuvième. | Atlas | Zoologique | (Mammifères, Oiseaux, Reptiles, Poissons, Mollusques, Polypiers, Foraminifères, Crustacés et Insectes.) |

The sixty-seven plates of birds of the atlas are as follows:—Pl. 1, f. 1, 2, *Carthartes urubu*, tête et œuf; f. 3, 4, *C. aura*, tête et œuf; f. 5, *Polyborus vulgaris*, œuf. Pl. 2, f. 1, 2, *Phalcobornus montanus*, ad. et jun.; f. 3, 4, œufs de *Polyborus chimango*. Pl. 3, f. 1, 2, 2 ♀, *Buteo tricolor*. Pl. 4, f. 1, *Tamnophtilus* [sic] *aspersiventer*; f. 2, *T. schistaceus*. Pl. 5, f. 1, 1, *T. fuliginosus* [by error for *schistaceus*]; f. 2, *T. aterrimus*. Pl. 6, f. 1, 1, *T. fresnayanus*; f. 2, *Conopophaga nigro-eincta*. Pl. 6 bis, f. 1, 2, *Myothera* [sic] *analis*; f. 2, *M. nigro-maculatus*. Pl. 7, f. 1-2, *Rhinomyza lanceolata*; f. 3, 4, *Megalonix* [sic] *rufogularis*. Pl. 8, f. 1, *M. ruficeps*; f. 2, *M. albicollis*. Pl. 9, f. 1, *Turdus fuscator*; f. 2, *T. chiguanaeo*. Pl. 10, f. 1, œuf de *T. rufiventris*; f. 2, 2 a, *Orpheus calandria*; f. 3, *O. thenea*. Pl. 11, f. 1, *O. dorsalis*; f. 2, *O. patagonicus*. Pl. 12, f. 1, *Donacobius albolineatus*; f. 2, *Sylvia leucoblephora*. Pl. 13, f. 1, *Hylophilus ruficeps*; f. 2, *Dacnis flaviventer* [sic]. Pl. 14, f. 1, 2, *Synallaxis dorso-maculata*; f. 3, 4, *S. malacroides*. Pl. 15, f. 1, *S. torquata*; f. 2, *S. bitorquata*. Pl. 16, f. 1, *S. striaticeps*; f. 2, *S. albiceps*. Pl. 17, f. 1, *S. fuliginiceps*; f. 2, *S. humicola*. Pl. 18, f. 1, *Sylvia cancolor*; f. 2, *Nemosia sordida*. Pl. 19, f. 1, *Tachyphonus versicolor*; f. 2, *T. capitatus*. Pl. 20, f. 1, 2 ♀, *T. luctuosus*. Pl. 21, f. 1, *T. flavinucha*; f. 2, 3, *Euphonia serrirostris*. Pl. 22, f. 1, *E. lunirostris*; f. 2, *E.*

1835-44-47. D'ORBIGNY, A.—Continued.

ruficeps; f. 3. œuf de *Embernagra platensis*; f. 4. œuf de *Aglaya* [sic] *cynscopus*. Pl. 23, f. 1. *Tanagra montana*; f. 2. *T. cyanocephala*. Pl. 24, f. 1. *T. scrankii* [sic]; f. 2. *T. yeni*. Pl. 25, f. 1. *T. cyanicollis* [sic]; f. 2. *T. igniventris*. Pl. 26, f. 1. *Ramphocelus atro-sericeus*; f. 2. *Pyrrangia albicollis*. Pl. 27, f. 1. *Embernagra torquata*; f. 2. *E. rufinucha*. Pl. 28, f. 1. *Saltator rufiventris*; f. 2. *S. sinuatus*; f. 3. œuf de *S. aurantiostris*; f. 4. œuf de *S. coerulescens*. Pl. 29, f. 1. *Phylotoma rutila*; f. 2. *P. angustirostris*. Pl. 30, f. 1. *Pipra fasciata*; f. 2. *Ampelis viridis*. Pl. 31, f. 1. *A. rubro-cristata*; f. 2, 3, 4. *Pachyrhynchus marginatus*. Pl. 32, f. 1, 2. *Tyrannus tuberculifer*; f. 2, 3, 4. *T. rufiventris*. Pl. 33, f. 1, 2. *Todirostrum caudatum*; f. 3, 4. *T. margaritaceiventris* [sic]. Pl. 34, f. 1, 2. *Muscipeta cinnamomea* [= *vieillotii* of the text, p. 321]; f. 3, 4. *Setophaga brunneiceps*. Pl. 35, f. 1. *S. verticalis*; f. 2. *Muscicapra striatocollis*. Pl. 36, f. 1. *Alecturus* [= *Arundinicola* of text, p. 335] *flaviventris*; f. 2. *Culicivora* [= *Setophaga* of the text, p. 330] *budyoides*. Pl. 37, f. 1. *C. reguloides*; f. 2. *Fluvicola rupestralis*. Pl. 38, f. 1. *F. leucophrys*; f. 2. *F. enanthoides*. Pl. 39, f. 1. *Muscigralla brevicauda* [sic]; f. 2. *Pepoaza variegata*; f. 3. œuf de *Tyrannus sulphuratus*; f. 4. œuf de *Pepoaza polyglotta*. Pl. 40, f. 1. *Muscisaxicola mentalis*; f. 2. *M. ruficervix*. Pl. 41, f. 1. *M. striaticeps*; f. 2. *M. maculirostris*. Pl. 42, f. 1. *Cypselus montivagus*; f. 2. *C. andecolus*; f. 3. œuf de *Caprimulgus nacunda*. Pl. 43, f. 1. *Certhilauda cunicularia*; f. 2. *C. tenuirostris*; f. 3. œuf de *Passerina flava*; f. 4. œuf de *P. nigriceps*. Pl. 44, f. 1. *Certhilauda maritima*; f. 2. *Emberiza luteocephala*; f. 3. œuf de *Tyrannus savanna* [sic]; f. 4. œuf de *Fluvicola icterophrys*. Pl. 45, f. 1. *Emberizahypochondria*; f. 2. *E. carbonaria*; f. 3. œuf de *Muscicapa icterophrys*; f. 4. œuf de *Loxia cucullata* [sic]. Pl. 46, f. 1. *Emberiza speculifera*; f. 2. *E. fulriceps*. Pl. 47, f. 1. *Emberiza griseocristata*; f. 2. *E. atriceps*; f. 3. œuf de l'*E. matutina*; f. 4. œuf de l'*E. gubernatrix*. Pl. 48, f. 1. *Linaria analis*; f. 2. *Carduelis atratus*; f. 3. œuf de *C. tristis*; f. 4. œuf de *Icterus virescens*. Pl. 49, f. 1 ♂ 2 ♀. *Pitylus aurcoventris*; f. 3. œuf de *Tyrannus sulphuratus*; f. 4. œuf de *Cassicus solitarius*. Pl. 50, f. 1. *Pyrrhula bicolor*; f. 2. *P. glauco-coerulea*; f. 3. œuf de *Icterus pyrrhopterus*; f. 4. œuf de *Fringilla cucullata*. Pl. 51, f. 1. *Cassicus yucatares*; f. 2. *C. atrovirens*; f. 3. œuf de *Tyrannus melancholicus*; f. 4. œuf de *Pepoaza rixosa*. Pl. 52, f. 1. *Cassicus chrysnotus*; f. 2. 3. *Icterus maxillaris*; f. 4. œuf de *I. brevirostris*; f. 5. œuf de *I. flavus*. Pl. 53, f. 1. *Garrulus viridicyanus* [sic]; f. 2. *Dendrocolaptes procurrens* [= *D. lafresnayensis* in text]; f. 3. œuf de *Garrulus chrysops*; f. 4. œuf de *G. cyanomelas*. Pl. 54, f. 1. *Dendrocolaptes atrirostris*; f. 2. *Anabates squamiger*; f. 3. œuf de *Tyrannus melancholicus*; f. 4. œuf de *Saltator coerulescens*. Pl. 55, f. 1. *Anumbius unirufus*; f. 2. nid de *Furnarius rufus*; f. 3. *Anabates gutturalis*. Pl. 56, f. 1. *Uppucerthia montana*; f. 2. *U. andecola*; f. 3. œuf de *Furnarius rufus*; f. 4. œuf de *Anumbius striaticeps*. Pl. 57, f. 1. *Uppucerthia vulgaris*; f. 2. *U. nigro-fumosa*; f. 3. œuf de *Fluvicola bicolor*; f. 4. œuf de *Pepoaza polyglotta*. Pl. 58, f. 1, 2. *Serrirostrum carbonarium*; f. 3. *S. sittoides*. Pl. 59, f. 1. *Conirostrum cinereum*; f. 2. *Orthorhynchus smaragdineicollis*. Pl. 60, f. 1. *O. panama*; f. 2. *O. amethysticollis*. Pl. 61, f. 1. *O. estella*; f. 2. *O. adela*. Pl. 62. *Colaptes rupicola*; f. 2. *Picus cactorum*. Pl. 63, f. 1. *P. atriventris*; f. 2. *P. canicapillus*. Pl. 64, f. 1. *P. puncticeps*; f. 2. *Picumnus albosquamatus*. Pl. 65, f. 1. *P. fumigatus*; f. 2. *P. nigriceps*. Pl. 66, f. 1. *Trogon antisianus*; f. 2. *Aulacorhynchus coerulescens*.

This treatise with its many beautiful plates takes a conspicuous place among the few great works on South American ornithology, and d'Orbigny is to be named with such leaders as Azara and Molina of earlier times, Lafresnaye, Hartlaub, Tschudi, and the Prinz von Wied of his own period, and Bonmeister, Pelzel, Cabanis, Sclater, Salvin, Lawrence, and others, who have subsequently made the history of South American ornithology what it is. It is a comprehensive systematic treatise on some three or four hundred species, introduced and interspersed with general considerations of the avifauna of South America and the classification and geographical distribution of the birds, treating the families, genera, and species in detail—the latter with synonymy, description, and critical and field-notes. A colored map of the comparative zones of latitude and altitude illustrates the geographical distribution of the avifauna. It is an expensive work, not generally accessible in its entirety; but the ornithological portion is found separate, with or without the atlas.

The new species discovered on this Expedition appear to have been earlier described by the author and the Baron de Lafresnaye, in Guérin-Ménéville's *Magasin de Zoologie*, or elsewhere. The following may be here new, being those for which no earlier reference is given:—*Thamnophtus schistaceus*, p. 170; *Myrmotheria menetriesii*, p. 184; *Thryothorus modulator*, p. 230; *Synallaxis naluroides*, *S. troglodytoides*, p. 238; *S. maximiliani*, p. 247; *S. patagonica*, p. 249; genus *Anumbius*, p. 251; *Embernagra olivaceus*, p. 285; *Saltator azarae*, p. 287; *Tyrannus rufescens*, p. 308; *Todirostrum caudatum*, p. 316; *Muscipeta gullemini*, p. 319; *M. vieillotii*, p. 321; *M. ralloides*, p. 322; genus *Muscicapra*, p. 325; *M. gainardi*, p. 326; *M. boliviana*, p. 328; genus *Arundinicola*, p. 335; genus *Suiriri* [!], p. 337; genus *Pepoaza*, p. 346; *P. andecola*, p. 351; *Dendrocolaptes lafresnayensis*, p. 368; *Colaptes rupicola*, p. 377; *Picus cactorum*, *P. atriventris*, p. 278; *P. canipileus*, *P. puncticeps*, p. 379; *P. fumigatus*, *P. nigriceps*, *Picumnus albosquamatus*, p. 380; *Aulacorhynchus coerulescens*, p. 382.

1836. KITTLITZ. [F. H. v.] Ueber einige Vögel von Chili, [u. s. w.] <Oken's Isis, Bd. xxix. 1836, pp. 347-351.

Auszüge aus *Mém. Acad. Imp. des Sciences de Pétersbourg*, tome i. 1831, p. 174.

1836. MARTIN, R. M. History of the West Indies: comprising . . . [the rest of the title differs in the two vols.] By R. Montgomery Martin, F. S. S. [Seal.] Vol. I. [II.] — London: Whittaker & Co. Ave Maria Lane. — MDCCCXXXVI. 2 vols. 16mo? [half-sheets—8 ll. to a sig.]. Vol. I, pp. xxxvi, 308; Vol. II, pp. viii, 350.
Slightly ornithological in some places—as at I, pp. 83, 84; II, pp. 83-94.
1836. MORITZ, C. Notizen zur Fauna der Insel Puertorico. <Arch. f. Naturg., ii, (1), 1836, pp. 373-392.
Ornithologisch *passim*.
1836. TAYLOR, R. C. Notes on Natural Objects observed while staying in Cuba. <London's Mag. Nat. Hist., ix, 1836, pp. 449-457.
Narrative, partly ornithological.
1837. BONAPARTE, C. L. [Notices and Descriptions of new or interesting Birds from Mexico and South America.] <P. Z. S., v, 1837, pp. 108-122.
I, on birds from Mexico, 35 spp.; II, from Guatemala, 39 spp.; III, from Brazil near Peru, 20 spp.—*Centurus subelegans*, p. 109; *Icterus parisorum*, p. 110; *Cardinalis sinuatus*, p. 111; *Tyrannus divaricata*, *Pipra elegantissima*, p. 112; *P. linearis*, p. 113; *Centurus Santa Cruzei*, p. 116; *Euphonia hirundinacea*, *Arremon giganteus*, *Icteria velasquezii*, p. 117; *Sylvicola decurtata*, *Turdus grayi*, p. 118; *Scolopacims* (g. n.) *rufiventris*, p. 119; *Micropogon flavicollis*, *Aethonurus rufiventris*, *Guiraca magnirostris*, *Spiza versicolor*, p. 120; *Tanagra darwini*, *Agelaius nigricincta*, *Rhamphocelus icteronotus*, p. 121; *Agelaius schrankii*, *Pipra scrutata*, p. 122, spp. nn.
1837. BREDOW, — v. Auszüge aus den Schreiben des reisenden Naturforschers C. Moritz in Süd-Amerika. <Arch. f. Naturg., 1837, (1), pp. 408-414.
Ornithologisch *passim*.
1837. GOULD, J. [Characters of three New Neotropical Birds.] <P. Z. S., v, 1837, pp. 79, 80.
Corvus nobilis, *Ortyx guttata*, p. 79; *Thamnophilus fuliginosus*, p. 80.
1837. L'HERMINIER, DR. — Anatomie verschiedener Vögel aus Südamerika. <Oken's Isis, Bd. xxx, 1837, pp. 847, 848.
Auszüge aus der Zeitschrift: *L'Institut*, 1837, Nr. 220.
1837. LESSON, R. P. Neue Vögel. <Oken's Isis, Bd. xxx, 1837, pp. 714, 715.
Auszüge aus der Zeitschrift: *L'Institut*, ii, 1834, 316. 10 Arten: *Megalonyx medius*, *Phytotoma molinae*, *Pyrgita peruviansis*, p. 714; *Pithylus* [sic] *olivaceus*, *P. luteus*, *Dolichonyx griseus*, *Fringilla erythrorhyncha*, *Ada commersonii*, *Vermivora elegans*, *Troglodytes hornensis*, p. 715.
1837. D'ORBIGNY, A. Mémoire sur la distribution géographique des Oiseaux Passereaux, dans l'Amérique méridionale. <Compt. Rend. de l'Acad. Sci., v, 1837, pp. 496-498.
Division des régions de l'Amérique méridionale en trois zones suivant leur distance à l'équateur.—Considération des espèces sous le rapport de la température des lieux qu'elles habitent.
1837. D'ORBIGNY, A. Observations on the Raptores of South America. <Mag. of Zool. and Bot., i, 1837, pp. 347-359.
Trans. from *Voy. Amér. Mrid.* Of very general character, but with special reference to their distribution in zones of latitude and to their habits.
1837. ——— Beyträge zur Naturgeschichte von Brasilien von Maximilian, Prinzen zu Wied. Weimar, Indust. Compt. iv. 1. 32. 8. 442. <Oken's Isis, Bd. xxx, 1837, pp. 97, 98.
1837. ——— Beyträge zur Naturgeschichte von Brasilien von Max. Prinzen zu Wied. Weimar. Industrie Comptoir. vi. 2. 1833. 8. 443-946. 2 Tafeln. <Oken's Isis, Bd. xxx, 1837, pp. 177-179.
- 1837-38. D'ORBIGNY, A., and LAFRESNAYE, F. DE. Synopsis Avium in itinere per Americam meridionalem collectarum. <Magas. de Zool., vii, 1837, pp. — — — ; viii, 1838, pp. — — —. [88 + 34 pp., with pll.]
Not seen: defective title from Giebel.
1838. BONAPARTE, C. L. Catalogo di Uccelli Messicani e Peruviani. <Nuovi Ann. Sci. Nat. Bologna, ii, 1838, pp. 340-348, 401-416.
This paper appears to be very similar to, if not a mere version of, that in *P. Z. S.*, 1837, *q. v.*

1833. LAFRESNAYE, [F.] DE, and D'ORBIGNY, [A.] Notice sur quelques oiseaux de Carthagène et de la partie du Mexique la plus voisine, rapportés par M. Ferdinand de Candé, officier de la Marine royale. < *Rev. Zool.*, i, 1838, pp. 164-166. 17 espèces.—*Embernagra albinucha*, *Pipra pareolides*, *Synnalaxis* [sic] *candei*, p. 165; *Tamania gularis*, p. 166, spp. nn.
1833. D'ORBIGNY, A. Rapport sur un Mémoire de M. Alcide D'Orbigny, intitulé: Sur la distribution géographique des oiseaux passereaux dans l'Amérique méridionale. < *Compt. Rend. de l'Acad. Sci.*, vi, 1838, pp. 190-194.
1839. GOULD, J. [*Polyborus gallapagoensis* von Darwin, n. s. w.] < *Oken's Isis*, Bd. xxxii, 1839, pp. 139, 140. *P. Z. S. London*, 1837.
1839. LAFRESNAYE, F. DE. Quelques oiseaux nouveaux de la collection de M. Charles Brelay, à Bordeaux. < *Rev. Zool.*, ii, 1839, pp. 97-100. *Pyrrhula sanguinolenta*, *Embernagra brunnei-nucha*, *E. pyrrhuloides*, p. 97; *Pachyrhynchus aglaia*, *Myadestes* [sic] *obscurus*, p. 98; *Thriothorus guttulatus*, *Pyrrhula cinnamomea*, p. 99; *Dendrocolaptes affinis*, *Uncirostrum brelayi*, p. 100. Toutes les espèces sont du Mexique.
1839. D'ORBIGNY, A. Histoire | Physique, Politique et Naturelle | de | L'Ile De Cuba | par M. Ramon de la Sagra, Directeur du Jardin Botanique de la Havane, | Correspondant de l'Institut Royal de France, etc. | — | > Ornithologie, | par Alcide D'Orbigny. | [Dessin.] | Paris, | Arthur Bertrand, éditeur, | Libraire de la Société de Géographie | et de la Société Royale des Antiquaires du Nord, | Rue Hautfenille, 23. | — | 1839. 8vo, paper, forming part (with the mammals) of one vol. of the series, separately paged, pp. xxxi, 336. Folio atlas of pll. i-xix, xix bis, xx-xxi.
- A standard work, to be used in connection with Vigor's earlier and Gundlach's and others' later treatises on the same subject. The Introduction, pp. vii-xxxi, is a résumé, from which it appears there were known 129 Cuban spp., of 33 families—14 South American, 49 North American, 26 American, 8 Aretogean, 5 Neotropico-Aretogean, and 27 Cuban and Antillian. The main text treats of those species seriatim, systematically, and is synonymic, descriptive, and general. French, Latin, and Spanish indexes follow. The plates are published separately; they are as follows:—Pl. 1, *Falco sparverii* D'Orb. 2, *Otus signatus* D'Orb. 3, *Noctua siju* O'Orb. 4, *Turdus rubripes*. 5, *Turdus minor*. 6, *Sciurus* [sic] *sulfurascens*. 7, *Turdus carolinensis*. 8, *Sylvia palmarum*. 9, *Sylvia caerulea* D'Orb. 10, *Sylvia maritima*. 11, *Tanager zena*. 12, *Tyrannus caudifasciatus* D'Orb. 13, *Tyrannus magnirostris* D'Orb. 14, *Tyrannus matutinus*. 15, *Passerina olivacea*. 16, *Linaria caniceps* D'Orb. 17, *Pyrrhula nigra*. 18, *Quiscalus barytus*. 19, *Q. atrovirens* D'Orb. 19 bis, *Xanthornus dominicensis*. 20, *Icterus humeralis*. 21, *f. 1*, *Orthorhynchus colubris*; *f. 2*, *O. ricordi*. 22, *Todus multicolor*. 23, *Colaptes superciliosus*. 24, *Colaptes fernandini*. 25, *f. 1*, *Saurothera mertini* D'Orb.; *f. 2*, 3, *Crotophaga ani*. 26, *Trogon temminckii*. 27, *Columba portoricensis*. 28, *C. inornata*. 29, *Phenicopterus americanus*. 30, *Aix sponsa*. 31, *f. 1*, *Totanus flavipes*, egg; *f. 2*, *Parra jacana*, egg; *f. 3*, *Aramus guarana*; *f. 5*, *Rallus longirostris* (head).
1839. D'ORBIGNY, A. Naturhistorische Schilderung des nördlichen Patagonien. < *Arch. f. Naturg.*, 1839, (1), pp. 47-61. Aus dessen *Voy. dans l'Amér. Mérid.* Grössten Theils ornithologischen Inhalts.
1839. D'ORBIGNY, A. Ueber die geographische Verbreitung und die Lebensweise der südamerikanischen Singvögel. < *Arch. f. Naturg.*, 1839, (1) pp. 235-251. Mitgetheilt aus dessen *Reise*, SS. 141-153.
1839. D'ORBIGNY, A. Voyage dans l'Amérique méridionale, par A. D'Orbigny. Paris, Levrault, I. 1834. 672. II. 1836. 4. < *Oken's Isis*, Bd. xxxii, 1839, pp. 406-435. Verzeichniss der Vögel, pp. 408, 410, 411. Auszüge, pp. 414-435.
1839. VIGORS, N. A. [Observations upon a Collection of Birds from the West Coast of South America.] < *P. Z. S.*, vii, 1839, p. 115.
1840. BOISSONNEAU, [A.] Oiseaux nouveaux ou peu connus de Santa-Fé de Bogota. < *Rev. Zool.*, iii, 1840, pp. 2-8. *Ampelis nattererii*, p. 2; *A. rufocristata*, *A. riefferii*, *Tanager constantii*, p. 3; *T. vassorii*, *T. riefferii*, *Uncirostrum La Fresnayii*, p. 4; *U. d'Orbignyi*, p. 5; *Ornismia* [sic] *bonarpartei* [sic], *O. torquata*, *O. paradisaea*, p. 6; *O. guerini*, p. 7; *Trochilus La Fresnayi*, p. 8.

1840. BOISSONNEAU, [A.] Oiseaux nouveaux de Santa-Fé de Bogota. < *Rev. Zool.*, iii, 1840, pp. 66-71.

Tanagra eximia, p. 66; *T. teniata*, *T. labradorides*, *T. assimilis*, p. 67; *T. albifrenatus*, *T. pallidinucha*, p. 68; *T. schistaceus*, *T. semirufus*, p. 69; *Pteroglossus albigitta*, *Quiscalus subularis*, *Setophaga ornata*, p. 70; *Tyrannula fumigata*, p. 71.

1840. BONAPARTE, C. L. Catalogue d'Oiseaux du Mexique et du Pérou. < *Rev. Zool.*, iii, 1840, pp. 19, 20.

This is not the article itself, but merely an editorial notice of Bp.'s new genus *Scelopacinus*. See *P. Z. S.* 1837.

1840. FRASER, L. [On some New Species of Birds from Bogota in the Collection of the Earl of Derby.] < *P. Z. S.*, viii, 1840, pp. 59, 60.

Turdus gigas, *Psittacus chalcopterus*, p. 59; *Picus elegans*, p. 60.

1840. LAFRESNAYE, [F.] DE. Oiseaux nouveaux de Santa-Fé de Bogota. < *Rev. Zool.*, iii, 1840, pp. 101-106.

Uncistrostrum cyaneum, *Conirostrum sitticolor*, p. 102; *Merculaxis senilis*, *M. griseicollis*, *M. squamiger*, p. 103; *M. analis*, *Anabates Boissonneautii*, p. 104; *Limnornis unirufus*, *L. canifrons*, p. 105.

1840. LAFRESNAYE, F. DE. Nouvelles espèces d'oiseaux tuées et rapportées par M. Léclancher, chirurgien de la marine, embarqué sur la Vénus, dans son dernier voyage de circumnavigation. < *Rev. Zool.*, iii, 1840, pp. 259-261.

Turdus rufopalliatius, p. 259; *Passerina leclancheri*, p. 260, spp. nn.

1840. LESSON, R. P. Oiseaux nouveaux. < *Rev. Zool.*, iii, 1840, p. 1.

Melias corallirhynchus, *Ramphocelus affinis*.

1840. SCHOMBURGK, R. H. A Description | of | British Guiana, | Geographical and Statistical: | exhibiting | its resources and capabilities, | together with | the present and future condition and prospects | of the colony. | By | Robert H. Schomburgk, Esq. | London: | Simpkin, Marshall, and Co., | Stationers' Hall Court. | 1840. 1 vol. 8vo. 2 p. ll., map, pp. 155.

In this little tract (by no means to be taken for Schomburgk's great work on Guiana) there occurs, under head of "Animal Kingdom", some remarks on birds, pp. 37, 38.

1841. BRIDGES, T. [Notes on various Birds (19 spp.) and Mammals from Chile.] < *P. Z. S.*, ix, 1841, pp. 93-95.

1841. GOULD, J. The | Zoology | of | the Voyage of H. M. S. Beagle, | under the command of Captain Fitzroy, R. N., | during the years | 1832 to 1836. | Published with the approval of | the Lords Commissioners of her Majesty's Treasury. | Edited and Superintended by | Charles Darwin, Esq., M. A. F. R. S. Sec. G. S. | Naturalist to the Expedition. | — | Part III. | Birds, | by | John Gould, Esq., F. L. S. | — | London: | Published by Smith, Elder and Co. 65, Cornhill. | MDCCCXLI. 4to. 4 p. ll., pp. ii, 156, 4 ll., pll. col'd 50.

The technical matter of the work was prepared by Gould, with assistance from G. R. Gray; but the general text is Darwin's. Most of the new species collected on the voyage appear to have been before described. The following names occur without citation of previous authority, most of which, doubtless, if not all, are new:—*Craxirex*, p. 22; *Strix punctatissima* (Gray), p. 34; *Progne modesta*, p. 39; *Hirundo frontalis*, p. 40; *Pyrocephalus*, p. 44; *P. parvirostris*, p. 44; *P. obscurus*, *P. nanus*, p. 45; *P. dubius*, p. 46; *Myiobius* (Gray), p. 46; *M. auriceps*, p. 47; *M. magnirostris*, *M. parvirostris*, p. 48; *Serpophaga*, *S. albocoronata*, p. 49; *Pachyrhamphus* (Gray), *P. albenscens*, p. 50; *P. minimus*, p. 51; *Lichenops erythropterus*, p. 52; *Fluvicola azaræ*, p. 53; *Agriornis*, *A. striatus*, p. 56; *A. micropterus*, p. 57; *Opetiorhynchus lanceolatus*, p. 68; *Eremobius*, *E. phoeniceus*, p. 69; *Synallaxis major*, p. 76; *S. rufogularis*, p. 77; *S. flavigularis*, *S. brunnea*, p. 78; *Limnornis*, *L. rectirostris*, p. 80; *L. curvirostris*, p. 81; *Dendrotrampus*, *D. leucosternus*, p. 82; *Muscisaxicola brunnea*, p. 84; *Sylvicola aureola*, p. 86; *Pyrrhuloxia nigriceps*, p. 87; *Spermophila nigrogularis*, *Crithagra?* *brevirostris*, p. 88; *Ammodramus longicaudatus*, p. 90; *A. zanthornus*, p. 90; *Zonotrichia canicapilla*, p. 91; *Z. strigiceps*, p. 92; *Fringilla formosa*, p. 93; *Chlorospiza?* *xanthogramma* (Gray), p. 96; *Emberozoides poliocephala* (Gray), p. 98; *Geospiza magnirostris*, *G. strenua*, p. 100; *G. fortis*, *G. nebulosa*, *G. fuliginosa*, p. 101; *G. dentirostris*, *G. parvula*, p. 102; *G. dubia*, *Camarhynchus psittaculus*, *C. crassirostris*, p. 103; *Cactornis acutirostris*, p. 104; *C. assimilis*, p. 105; *Certhidea olivacea*, p. 106; *Zenaidura macroura*, p. 115; *Squatula fusca*, p. 126; *Totanus fuliginosus*, p. 130; *Porphyrio simplex*, p. 133; *Larus fuliginosus*, p. 141. (*Cinclus* and *Rhinocrypta* are proposed, apparently newly, by Gray, on one of the unpaired leaves.) Most of the birds of the volume are South American. An appendix, by T. C. Eyton, gives some anatomical details respecting 12 spp. The plates are as follows:—

1841. GOULD, J.—Continued.

Pl. 1, *Mitroga albularis*; 2, *Craxirex galapagoensis*; 3, *Otus galapagoensis*; 4, *Strix punctatissima*; 5, *Progne modesta*; 6, *Pyrocephalus parvirostris*; 7, *P. nanus*; 8, *Tyrannula magnirostris*; 9, *Lichenops erythropterus*; 10, *Floricola azarae*; 11, *Xolmis variegata* (marked *Tachyoptera* v.); 12, *Agriornis micropterus*; 13, *A. leucurus*; 14, *Pachyrhamphus albescens*; 15, *P. minimus*; 16, *Mimus trifasciatus*; 17, *M. melanotis*; 18, *M. parvulus*; 19, *Uppucerthia dumetoria*; 20, *Opetiorhynchus nigrofemoratus* (marked *O. lanceolatus*); 21, *Eremobius phœnicurus*; 22, *Anumbius acuticaudus* (marked *Synallaxis major*); 23, *Synallaxis rufogularis*; 24, *S. flavogularis*; 25, *Limnornis curvirostris*; 26, *L. rectirostris*; 27, *Dendrodrampus leucosternus*; 28, *Sylvicola aureola*; 29, *Ammodramus longicaudatus*; 30, *A. manimbe* (marked *A. xanthornus*); 31, *Passer jagensis*; 32, *Chlorospiza melanodora*; 33, *C. xanthogramma*; 34, *Aglais striata* (marked *Tanager darwini*); 35, *Pipilo personata*; 36, *Geospiza magnirostris*; 37, *G. strenua*; 38, *G. fortis*; 39, *G. parvula*; 40, *Camarhynchus psittaculus*; 41, *C. crassirostris*; 42, *Cactornis scandens*; 43, *C. assimilis*; 44, *Certhidea olivacea*; 45, *Xanthornus flaviceps*; 46, *Zenaida galapagoensis*; 47, *Rhea darwini*; 48, *Zapornia notata*; 49, *Z. spilonota*; 50, *Anser melanopterus*.

1841. HILL, R. [Letter relating to the Nests of Birds of Jamaica.] < *P. Z. S.*, ix, 1841, pp. 69, 70.

1842. HILL, R. [On the Nests of Jamaican Birds.] < *Ann. Mag. Nat. Hist.*, ix, 1842, pp. 145–147.

From *P. Z. S.*, Sept. 14, 1841, pp. 69, 70.

1842. LAFRESNAYE, [F.] DE. Description de quelques oiseaux nouveaux de Colombie. < *Rev. Zool.*, v, 1842, pp. 301, 302.

Catamblyrhynchus (g. n.) *diadema*, *Conirostrum albifrons*, p. 301; *C. coeruleifrons*, p. 302.

1842. LAFRESNAYE, [F.] DE. Oiseaux nouveaux de Colombie. < *Rev. Zool.*, v, 1842, pp. 332–333.

Grallaria ruficapilla, p. 333; *G. nana*, p. 334; *Copurus leuconotus*, *Arremon atopileus*, p. 335; *Tachyphonus victorine*, p. 336. Coup-d'œil sur 9 esp. de *Grallaria*.

1842. LESSON, R. P. Notes sur les Oiseaux nouveaux ou peu connus rapportés de la Mer du Sud, par M. Adolphe Lesson. < *Rev. Zool.*, v, 1842, pp. 135, 136.

Megalonix nanus, *Parra cordifera*, *Arara erythrofrons*, *Psittacus auro-palliatus*, *P. chrysopogon*, *P. eburnirostrum*, p. 135; *Trogon capistratum*, p. 136. spp. nn.

1842. LESSON, R. P. Species avium novæ aut minùs cognite: auctore R. P. Lesson, in itinere A. Lessonio collectæ. < *Rev. Zool.*, v, 1842, pp. 174, 175.

Crypticus apiaster, *Momotus Lessonii*, *Penelope albiventer*, *Pipra fastuosa*, *Picolaptes capistrata*, *Pitylus lazulus*, p. 174; *Tanagra diaconus*, *T. affinis*, *Ornismya cinnamomea*, *Ortyx leucopogon*, p. 175.

1843. CABOT, S., JR. [*Corvus vociferus*, p. 155; *Oriolus musicus*, p. 155; *Momotus yucatacensis*, p. 156, spp. nn. from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, pp. 155, 156.

1843. FRASER, L. [On the Collection of South American Birds brought to England by Mr. Bridges.] < *P. Z. S.*, xi, 1843, pp. 108–121.

Numerous species fully annotated by the collector, constituting an approximate list of Chilean birds.

1843. HARTLAUB, G. Description de quatre espèces d'oiseaux de la Nouvelle-Grenade. < *Rev. Zool.*, vi, 1843, pp. 289, 290.

Vireo versicolor, *Myiobius diadema*, *M. pyrrhopterus*, *Todirostrum granadense*, p. 289.

1843. LAFRESNAYE, F. DE. Quelques oiseaux nouveaux ou peu connus de Colombie. < *Rev. Zool.*, vi, 1843, pp. 68–70.

Ampelis aureopectus, p. 68; *Tanagra olivicyanea*, *T. argentea*, *T. nigroviridis*, p. 69, spp. nn.

1843. LAFRESNAYE, F. de. Description de deux Oiseaux de Colombie. < *Rev. Zool.*, vi, 1843, pp. 131–133.

Merulaxis orthonyx, p. 131; *Tangara albocristatus*, p. 132.

1843. LAFRESNAYE, F. de. Oiseaux nouveaux de Colombie. < *Rev. Zool.*, vi, 1843, pp. 290, 292.

Tanagra atricapilla, *T. aurulenta*, *Cassicus uropygialis*, *Synallaxis* [sic] *striaticollis*, *S. unirufus*, *S. fuliginosus*, *S. brachyurus*, *S. gularis*, p. 290; *S. cinnamomeus*, *Muscicapa cinnamomeiventris*, *M. fuscocapilla*, *M. ruficeps*, *Pachyrhynchus squamatus*, *Fringilla analis*, *Spermophila luctuosa*, *S. olivaceoflava*, *Querula fuscocinerea*, p. 291; *Carduelis colombianus*, *Setophaga nigrocincta*, p. 292.

1843. TSCHUDI, J. J. v. Diagnosen einiger neuer peruanischer Vögel. <Arch. f. Naturg., 1843, (1), pp. 385-390.
Ampelis elegans, *A. cincta*, *Columba gracilis*, *C. meloda*, p. 385; *C. frenata*, *Penelope rufoventris*, *P. adspersa*, p. 386; *Thinocorus ingae*, *Crypturus kleei*, *Odontophorus speciosus*, *Oedecnemus superciliaris*, p. 387; *Charadrius winterfeldtii*, *C. resplendens*, *Crex facialis*, *C. femoralis*, p. 388; *Larus modestus*, *Fulica ardesiaca*, *Sterna acutirostris*, *S. exilis*, p. 389; *Dysporus variegatus*, *Anser montana*, *Anas leucogenis*, p. 390, 22 spp.; die ausführlichen Beschreibungen und Abbildungen dieser Vögel in dem ornithologischen Theile, Fauna Peruana.
1844. ABBOTT, S. L. [Remarks on Exhibition of some Birds from Surinam.] <Proc. Bost. Soc. Nat. Hist., i, 1844, p. 171.
1844. CABOT, S., JR. Descriptions and Habits of Some of the Birds of Yucatan. <Journ. Bost. Soc. Nat. Hist., iv, pt. iv, 1844, pp. 460-467. (Read Nov. 1, 1843.)
Ortyx nigrogularis Gould. *Falco percontator*, p. 462; *Corvus vociferus*, p. 464; *Oriolus muscicus*, p. 465; *Momotus yucatacensis* [sic], p. 466, spp. nn.
1844. HARTLAUB, [G.] Description de sept Oiseaux nouveaux de Guatemala. <Rev. Zool., vii, 1844, pp. 214-216.
Picus guatemalensis, *Turdus* (*Merula*) *rufitorques*, *Tyrannus* (*Mitruleus*) *monachus*, p. 214; *Controstrum superciliosum*, *Garrulus* (*Cyanocorax*) *melanocyaneus*, *Geococcyx affinis*, p. 215; suivie de la synonymie de *G. riaticus*.
1844. HILL, R. [Letter accompanied by a donation of two Birds' Skins from Jamaica.] <P. Z. S., xii, 1844, p. 1.
1844. LAFRESNAYE, [F.] DE. Observations ornithologiques [sur divers Oiseaux de la Nouvelle-Grenade]. <Rev. Zool., vii, 1844, pp. 75-80.
Muscicapa fuscocapilla Lafr. = *Myiobus diademata* Hartl., *Myiobius pyrrhopterus* Hartl. = *Muscipeta cinnamomea* d'Orb. et Lafres., *Setophaga nigrocineta* Lafr. = *S. canadensis* auct.
1844. LAFRESNAYE, [F.] DE. Nouvelles espèces d'oiseaux de Colombie. <Rev. Zool., vii, 1844, pp. 80-83.
Dendrocolaptes perrotii, *Tyrannus ardesiaca*, p. 80; *Hylophilus leucophrys*, *Chætura brunni-torques*, *Setophaga flaveola*, p. 81; *Thamnophilus albicans*, *T. multistriatus*, *T. brevirostris*, p. 82; *T. shistaceus* [sic], *T. aspersiventer*, p. 83.
1844. LAFRESNAYE, F. DE. Description de quelques Oiseaux de la Guadeloupe. <Rev. Zool., vii, 1844, pp. 167-169.
Saltator guadelupensis, *Turdus montanus*, *T. L'Herminieri*, p. 167; avec des détails sur la *Procellaria diabolica* L'Herm.
1844. LESSON, R. P. Oiseaux nouveaux. <Rev. Zool., vii, 1844, pp. 433-437.
Picolaptes cinnamomeus, *Ornismya feliciana*, p. 433; *Troglodytes murinus*, p. 434; *Arremon abceillei*, *Tiaris cruentus*, p. 435; *Pendulinus californicus*, p. 436.
1844. TSCHUDI, J. J. VON. Avium conspectus quae in Republica Peruana reperiuntur et pleraeqne observatae vel collectae sunt in itinere a Dr. I. I. de Tschudi. <Arch. f. Naturg., 1844, (1), pp. 262-317.
Spp. 357 enumeratio, descriptionibus specierum et generum quorundam novorum, necnon synonymis multis, adjectis: genera nova proposita sunt a Cabanis, qui ad constituendam hanc enumerationem observationes varias communicavit.—*Polyborus taeniurus*, *Hypomorphus*, p. 263; *Circus solitarius*, p. 264; *Climacocercus*, p. 265; *Circus polyopterus*, *Noctua inelanota*, p. 266; *Caprimulgus ocellatus*, *C. decussatus*, *C. pruinosus* (Licht., Mus. Berol.), p. 266; *C. climacocercus*, p. 269; *Ampelis rufaxilla*, *Ptilogonys leucotis*, *P. griseiventer*, p. 270; *Pipra chloromeros*, *P. coerulescapilla*, p. 271; *Scaphorhynchus chrysocephalus*, *Tyrannus einchonet* (Licht., M. B.), *Myiarchus*, p. 272; *M. atropurpureus* (Licht., Mus. Ber.), *Euscarthmus pileatus*, *E. rufipes*, p. 273; *Elaenia modesta*, *E. brevirostris*, *E. viridiflora*, p. 274; *Mionectes*, *M. poliocephalus*, *Leptopogon*, *L. superciliaris*, p. 275; *L. cinereus*, *Setophaga melanocephala*, *S. chrysogaster*, *Ptyonura albifrons*, p. 276; *Ochthites*, p. 277; *Thamnophilus luctuosus*, *T. olivaceus*, *T. axillaris*, *Pithys leucophrys*, p. 278; *Corythopsis torquata*, *Cinclus leucocephalus*, *Chamaeza olivacea*, p. 279; *Turdus serranus*, *Mimus longicaudatus*, p. 280; *Cyllurus*, *C. palliatus*, *Pteroptochus femoralis*, p. 281; *P. acutirostris*, *Cyphorhinus*, *C. thoracicus*, *Troglodytes audax*, *T. leucophrys*, p. 282; *Myiodiodes coronatus*, *M. tristriatus*, p. 283; *Hylophilus frontalis*, *H. olivaceus*, *Procnops*, p. 285; *P. atrocoerulea*, *P. argentea*, *Calbopiza pulchra*, *C. zanthocephala*, p. 285; *C. calliparaea* (Licht., Mus. Berol.), *Tanagra frugilegus*, p. 286; *T. analis*, *Phaenistoma ardens*, p. 287; *Saltator elegans*, p. 288; *Arremon frontalis*, *Phrygilus*, p. 289; *P. plebejus*, *P. rusticus* (Licht., M. B.), *Sporophila*, *S. luctuosa* (Licht., M. B.), p. 291; *Diglossa melanops*, *Anabates auritus* (Licht., M. B.), p. 294; *A. montanus*, *A. ochrolaemus*, *A. melanorhynchus*, *Dendrocolaptes chunchotambo*, p. 295; *D. validus*, *Trochilus opicalis* (L., M. B.), p. 296; *T. phaeo-*

1844. TSCHUDI, J. J. VON.—Continued.

pygus (L., M. B.), *T. leucogaster*, p. 297; *T. opacus* (L., M. B.), *T. insectivorus*, *T. otero*, p. 298; *Trogon heliothrix*, *Lypornix ruficapilla*, p. 300; *Capito glaucogularis*, p. 301; *Picus haemato-gaster*, p. 302; *Psittacus mercenarius*, p. 303; *P. tumultuosus*, *Conurus mitratus*, *C. rupicola*, *C. sitophagus*, p. 304; *Columba melancholica*, *Odontophorus pachyrhynchus*, p. 306; *Crypturus atro-capillus*, p. 307; *Larus serranus*, p. 314; *Anas puna* (Licht., M. B.), p. 315, genn. et spp. nn.

1845. CABOT, S., JR. Further accounts of some of the Birds of Yucatan. < *Journ. Bost. Soc. Nat. Hist.*, v, pt. i, 1845, pp. 90–93, pl. xii. (Read Jan. 3, 1844.)

Pyrrhula raptor, p. 90, pl. xii; *Picus dubius*, p. 91; *Picus parvus*, *P. yucatanensis*, p. 92, spp. nn.

1845. CABOT, S., JR. [On *Himantopus nigrocollis* and *Anhinga carolinensis* from Surinam.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, p. 46.1845. DES MURS, O. Description de quelques espèces nouvelles d'Oiseaux. < *Rev. Zool.*, viii, 1845, pp. 207–209.

Psittacus amazonicus, *Ortyx perrotiana*, *Galbaleyryhynchus* (g. n.) *leucotis*, p. 207. Avec une note sur *Falco isidori*.

1845. FRASER, L. [On Chilean Birds.] < *Ann. Mag. Nat. Hist.*, xv, 1845, pp. 430, 431. From *P. Z. S.*, October 8, 1844.1845. FRASER, L. [Exhibition of two Birds from Chili.] < *P. Z. S.*, xiii, 1845, p. 1.1845. LAFRESNAYE, [F.] DE. Oiseaux nouveaux rapportés par M. Léclancher, chirurgien de l'expédition de la corvette la Favorite. < *Rev. Zool.*, viii, 1845, pp. 93, 94.

Scissirostrum (g. n.) *pagei*, p. 93; *Perierocotus cincreus*, *Dicceum leclancherii*, p. 94.

1845. LAFRESNAYE, F. DE. Description de quelques oiseaux nouveaux. < *Rev. Zool.*, viii, 1845, pp. 337–342.

Thriothorus fasciato-ventris, *T. rufalbus*, p. 337; *T. leucotis*, *T. maculipectus*, *T. striatulus*, p. 338; *Campylorhynchus rufinucha*, *C. brevirostris*, *C. megalopterus*, p. 339; *Thamnophilus immaculatus*, p. 340; *Myioturdus fuscater*, *Tyrannulus icterophrys*, *Tyrannulus nigrocapillus*, *Hylophilus semibrunneus*, p. 341; *H. flavipes*, p. 342.

1845. TSCHUDI, J. J. V. Nachträgliche Bemerkungen zu meinem Conspectus Avium etc. [op. cit. 1844, (1), pp. 262–317]. < *Arch. f. Naturg.*, 1845, (1), pp. 360–366.

Cyclarhis ochrocephala, *C. poliocephala*, p. 362, spp. nn.

1845. ——— Histoire physique, politique et naturelle de l'Île de Cuba, par Ramon de la Sagra, Directeur du Jardin de Botanique de la Havane. Paris chez A. Bertrand. < *Oken's Isis*, Bd. xxxviii, 1845, pp. 196–218.

Vögel, pp. 200–202. Bearbeitet von A. d'Orbigny.

1845. ——— Voyage en l'Amérique meridionale, exécuté pendant 1826–1833. par Alcide d'Orbigny. Strasbourg chez Levrault. < *Oken's Isis*, Bd. xxxviii, 1845, pp. 588–600.

1845–46. TSCHUDI, J. J. V., and CABANIS, J. Untersuchungen | über die | Fauna Peruana | von J. J. von Tschudi, | Doctor der Philosophie, Medecin und Chirurgie, Mitglied der kaiserlich leopoldinisch-carolinischen Academie | der Naturforscher etc. etc. etc. | — | St. Gallen. | Druck und Verlag von Scheitlin und Zollikofer. | 1844–1846. 1 vol. Large 4to. > Ornithologie | bearbeitet von | Dr. J. J. von Tschudi | mit Anmerkungen | von | J. Cabanis, | Adjunkt am zoologischen Museum in Berlin. | — | 1845 und 1846. 1 p. l., pp. 1–316, pll. col'd i–xxxvi.

Contains a systematic synonymic conspectus of Peruvian birds (cf. *Arch. f. Naturg.*, x, 1844, p. 262; xi, 1845, p. 360), followed by a general systematic account of the Peruvian avifauna, descriptive, critical, and biographical. The new species appear to have been mostly described already, as the "Conspectus" (*Arch. für Naturg.*, l. c.) is quoted in the present volume.

Turdus swainsonii Cab., p. 187; *Procnias viridis* Cab., p. 197; *Sycalis chloris* Cab., p. 216; *Conurus frontatus* Cab., p. 272, spp. nn.—Pl. I, *Hypomorphnus unincinctus* (pl. marked *Polyborus tacinurus*). II, *Circus solitarius*. III, *Circus poliopterus*. IV, *Noctua melanonota*. V, f. 1, *Caprimulgus decussatus*; f. 2, *C. ocellatus*. VI, f. 1, *C. climacocercus*; f. 2, *C. pruinus*. VII, f. 1, *Ampelis rufaxilla*; f. 2, *Ptilogonys leucotis*. VIII, f. 1, *Scaphorhynchus chryscephalus*; f. 2, *Tyrannus cinconeti*. IX, f. 1, *Euscarthmus pileatus*; f. 2, *Elaenia viridiflava*. X, f. 1, *Mionectes poliocephalus*; f. 2, *Leptopogon superciliaris*. XI, f. 1, *Thamnophilus oliveaceus*;

1845-46. TSCHUDI, J. J. V., and CABANIS, J.—Continued.

f. 2, *Lithys leucophrys*. XII, f. 1, *Setophaga melanocephala*; f. 2, *Ptyonura albifrons*. XIII, f. 1, *Hylophilus frontalis*; f. 2, *Procnopsis atrocoerulea*. XIV, f. 1, *Myiodioides tristriatus*; f. 2, *Procnopsis argentea*. XV, f. 1, *Cinclus leucocephalus*; f. 2, *Mimus longicaudatus*. XVI, f. 1, *Cyphorhinus thoracicus*; f. 2, *Cillurus palliatus*. XVII, f. 1, *Tanagra frugilegus*; f. 2, *Callispiza xanthocephala*. XVIII, f. 1, *Tanagra analis*, f. 2; *Callospiza puichra*. XIX, *Phrygilus plebeius*; f. 2, *Arremon frontalis*. XX, f. 1, *Anabates montanus*; f. 2, *A. ochrolaemus*. XXI, f. 1, *A. melanorhynchus*; f. 2, *Dendrocolaptes validus*. XXII, f. 1, *D. chunchotambo*; f. 2, *Trochilus leucogaster*. XXIII, f. 1, *T. insectivorus*; f. 2, *T. otero*. XXIV, f. 1, *Lyproornis ruficapilla*; f. 2, *Capito glaucogularis*. XXV, *Picus haematogaster*. XXVI, f. 1, *Conurus rupicola*; f. 2, *C. mitratus*. XXVII, *Psittacus mercenarius*. XXVIII, *Columba frenata*. XXIX, *C. meloda*. XXX, *C. gracilis*. XXXI, *Penelope rufiventris*. XXXII, *Crypturus klei*. XXXIII, *Odontophorus speciosus*. XXXIV, *Charadrius winterfeldtii*. XXXV, *Larus modestus*. XXXVI, *Merganetta leucogenys*.

1846. BRIDGES, T. [Letter addressed to G. R. Waterhouse, Esq., containing notices of Bolivian Mammals and Birds.] <P. Z. S., xiv, 1846, pp. 7-10.

1846. LAFRESNAYE, [F.] DE. Sur quelques nouvelles espèces d'oiseaux de Colombie. <Rev. Zool., ix, 1846 pp. 206-209.

Tachyphonus brevipes, p. 206; *Tyrannula rufipectus*, *Spermophila olivaceocephala*, p. 207; *Dendrocolaptes albolineatus*, p. 208.

1846. LAFRESNAYE, F. DE. Sur quelques oiseaux nouveaux de l'embouchure de l'Orénoque. <Rev. Zool., ix, 1846, pp. 273-277.

Nemosia nigrogenis, p. 273; *Salpator orinocensis*, p. 274; *Coracina granadensis*, *C. orinocensis*, p. 277.

1846. LAFRESNAYE, F. DE. Quelques nouvelles espèces d'oiseaux de la Jamaïque. <Rev. Zool., ix, 1846, pp. 320-322.

Tachyphonus rufogularis, *Pachyrhynchus aterrimus*, p. 320; *Piaya cinnamomeiventris*, *Pionus vinaceicollis*, *Columbigallina versicolor*, p. 321. Voir R. Z., 1847, pp. 64, 80-83.

1846. MAXIMILIAN, PRINCE DE NEUWIED. Note rectificative sur quelques oiseaux du Brésil. <Rev. Zool., ix, 1846, pp. 162-164.

1846. ——— Untersuchungen über die Fauna peruviana auf einer Reise in Peru von D. J. J. von Tschudi. St. Gallen bey Scheitlin. Lief. vi. 1846. S. 189. 244. Taf. 6. ill. <Oken's Isis, Bd. xxxix, 1846, pp. 312, 313.

1846-47. JARDINE, W. Horæ Zoologicæ:—No. VIII. Ornithology of the Island of Tobago. <Ann. Mag. Nat. Hist., xviii, 1846, pp. 114-121; xix, 1847, pp. 78-83; xx, 1847, pp. 328-334, 370-378.

Acanthylis brachyura, p. 120.

1847. BRIDGES, T. Notes in addition to former [P. Z. S. 1843, p. 108, and 1846, p. 9] Papers on South American Ornithology. <P. Z. S., xv, 1847, pp. 28-30.

Miscellaneous notes on a few species.

1847. BRIDGES, T. Notes in addition to former [P. Z. S., 1843, p. 108; 1846, p. 9] Papers on South American Ornithology. <Ann. Mag. Nat. Hist., xix, 1847, pp. 419-421.

From P. Z. S., Mar. 23, 1847, pp. 28-30.

1847. DENNY, W. A few remarks on the Geographical Distribution of Birds in the West Indies. <P. Z. S., xv, 1847, pp. 36-41.

I. 45 spp. land-birds common to Jamaica, Cuba, and United States. II. 7 spp. land-birds observed in Terra Firma, but unknown in North America. III. 60 spp. peculiar to the West Indies. With numerous water-birds of general dispersion. The list is obviously defective and very inaccurate, having no authority whatever.

1847. GARDNER, G. Notes of Birds in Brazil. <Zoologist, v, 1847, p. 1637.

1847. GAY, C. Historia | física y política | de Chile | según documentos adquiridos en esta república | durante doce años de residencia en ella | y publicada | bajo los auspicios del supremo Gobierno | por Claudio Gay | Ciudadano Chileno, | individuo de varias sociedades científicas nacionales y extranjeras, | caballero de la legión de honor. | Zoología. | — | Tomo primero. | [Blazon.] | Paris | en casa del autor. | Chile | en el Museo de Historia Natural de Santiago. | — | MDCCCXLVII | 8vo. pp. 496. >Aves, pp. 183-496. Atlas, folio.

1847. GAY, C.—Continued.

Gay was little of an ornithologist, and his work passes for no more than it is worth. The text consists of a diagnosis and description of each species and group, with a slight synonymy and miscellaneous matter, chiefly relating to habits. Birds are divided into Rapaces, Pajarillos, Trepadoras, Palomas, Gallinaceas, Zancudas, and Nadadoras. *Ulula fasciata*, p. 252; *Sylviorthorhynchus* (g. n., p. 315) *desmuri*, p. 316; *Chlorospiza aldunatei*, p. 356; *Zenaida souleyetiana*, p. 380; *Peristera auriculata*, p. 381; *Nothura punctulata*, p. 391; *Squatarola urvillii*, p. 401, spp. nn. Cf. *Edinb. New Philos. Jour.*, n. s., iii, 1856, pp. 335–338.

1847. GOSSE, P. H. The | Birds of Jamaica. | By | Philip Henry Gosse; | assisted by Richard Hill, Esq., of Spanish-town. | London: | John Van Voorst, Paternoster Row. | M.DCCC.XLVII. 1 vol. 8vo. 1 p. l., pp. x, 447, and 1 l. of advt. (A separately-titled vol. of 52 colored plates attends this work. See 1849.)

Nearly 200 spp. Text almost entirely biographical and “entirely from original investigation” of the author and R. Hill, “whose notes pervade this volume”. . . “An observer is hardly competent to determine what circumstance is trivial and what is important: many a recorded fact in science has lost half its value from the omission of some attendant circumstance, which the observer either did not notice, or thought irrelevant.”—(Gosse, p. iv.)

The new species are:—*Ephialtes grammicus*, p. 19; *Nyctibius pallidus*, p. 49; *Tachornis phœnicobia*, p. 58; *Hirundo pœciloma*, p. 64 (lege *pœciloma*); *H. euchrysea*, p. 68; *Mellisuga humilis*, p. 127; *Sylviola coa*, p. 158; *S. pannosa*, p. 162; *S. phœtra*, p. 163; *Myiobius pallidus*, p. 166; *M. tristis*, p. 167; *M. stolidus*, p. 168; *Spermophila anoxantha*, p. 247; *S. adoxa*, p. 253; *Pyrrhula robinsonii*, p. 259; *Geotrygon sylvatica*, p. 316; *Egretta nivea*, p. 334; *E. ruficollis*, p. 338; *Rallus concolor*, p. 369; *Anas maxima*, p. 399; *Cyanopterus inornatus*, p. 402; *Erisinatura ortygoides* “Hill”, p. 406.

1847. GOSSE, P. H. Extracts from the ‘Birds of Jamaica, by Philip Henry Gosse.’ < *Zoologist*, v, 1847, pp. 1808–1820.

1847. HARTLAUB, G. Systematischer Index | zu | Don Felix de Azara’s | Apuntamientos para la historia natural | de los Páxaros | del | Paraguay y Rio de la Plata. | — | Von | Dr. G. Hartlaub. | — | Breiten, | Druck von C. Schönmann. | 1847. 1 vol. sm. 4to. pp. i–vi, 1–29.

Important commentary on Azara. See 1802–05, AZARA.

1847. HARTLAUB, [G.] [Note sur quelques espèces nouvelles d’oiseaux de la Jamaïque, R. Z. 1846, pp. 320–322.] < *Rev. Zool.*, x, 1847, p. 64.1847. HARTLAUB, [G.] [Sur quelques oiseaux de la Jamaïque récemment décrits par M. de Lafresnaye.] < *Rev. Zool.*, x, 1847, pp. 271, 272.1847. LAFRESNAYE, [F.] DE. Quelques oiseaux nouveaux ou rares rapportés par M. Delattre, de Bolivie, de la Nouvelle-Grenade, et de Panama. < *Rev. Zool.*, x, 1847, pp. 67–79.

27 esp.—*Grallaria monticola*, p. 68; *Tyrannula frontalis*, p. 70; *Tanagra palpebrosa*, *Aglaia wilsoni*, p. 71; *A. fanny*, *Tachyphonus delattrei*, *Arremon aurantiostris*, p. 72; *Saltator striatipectus*, *S. maculipectus*, p. 73; *Coccyboides cyanoïdes*, p. 74; *Linaria analoïdes*, *L. inornata*, *Gositta peruviana*, p. 75; *Dendroplex picirostris*, p. 76; *Picumnus granadensis*, p. 78; *Malacoptila panamensis*, p. 79, spp. nn.

1847. LAFRESNAYE, [F.] DE. Réponse de M. de Lafresnaye aux Observations du docteur Hartlaub, du dernier numéro de la Revue Zoologique. < *Rev. Zool.*, x, 1847, pp. 80–83.1847. LAFRESNAYE, F. DE. Mélanges ornithologiques sur l’espèce de Ramphocèle à plumage variable, rapporté de la Nouvelle-Grenade par M. Delattre; et sur le *Cassicus uropigyalis* [sic]. < *Rev. Zool.*, x, 1847, pp. 215–218.

Ramphocelus varians, sp. n., p. 216; *Cassicus uropigyalis* (sic *curvirostris*, sp. n. supp.), p. 218.

1847. LAFRESNAYE, [F.] DE. Réponse de M. de Lafresnaye à la notice de M. le Dr Hartlaub, de l’avant-dernier numéro de cette Revue. < *Rev. Zool.*, x, 1847, pp. 350–352.1847. SCHOMBURGK, R. H. The History of Barbadoes, . . . London. 1847. Roy. 8vo. Not seen.—Cf. *P. Z. S.*, 1871, p. 267. [See beyond, APPENDIX.]1847. TSCHUDI, J. J. v. Animal Life in the Peruvian Forests. < *Zoologist*, v, 1847, pp. 1715–1728.1847. TSCHUDI, J. J. v. Animals of the Puna of Peru. < *Zoologist*, v, 1847, pp. 1758–1763.

1847. TSCHUDI, J. J. v. Zoology of Valparaiso. < *Zoologist*, v, 1847, pp. 1763, 1764.
 1847. TSCHUDI, J. J. v. Zoology of Chiloe. < *Zoologist*, v, 1847, p. 1764.
 1847. TSCHUDI, J. J. v. Animals in the Bay of Callao. < *Zoologist*, v, 1847, pp. 1764-1766.

This and the four preceding papers are extracted from "Travels in Peru".

1847. YARRELL, W. Descriptions of the Eggs of some [about 30] of the Birds of Chile. < *P. Z. S.*, xv, 1847, pp. 51-55.
 1847. ——— Untersuchungen über die Fauna peruana auf einer Reise während 1838-42, von Dr. J. J. Tschudi. St. Gallen bey Scheitlin. Heft vii-xii, 1846. Kl. Folio. S. 33-316, und 80. und 35 Tafeln ill. < *Oken's Isis*, Bd. xl, 1847, pp. 703-705.
 1847-48. HARTLAUB, G. Ueber den heutigen Zustand unserer Kenntnisse von Westindiens Ornithologie. < *Oken's Isis*, Bd. xl, 1847, pp. 604-615; Bd. xli, 1848, pp. 401-403.

An important résumé of the subject.

1848. CABANIS, J. Reisen in | Britisch-Guiana | in den Jahren 1840-1844. | Im Auftrag Sr. Majestät des Königs von Preussen | ausgeführt von | Richard Schomburgk. | — | Nebst einer Fauna und Flora Guiana's nach Vorlagen | von | Johannes Müller, Ehrenberg, Erichson, Klotzsch, Troschel, | Cabanis und andern. | — | Mit Abbildungen und einer Karte von Britisch-Guiana | aufgenommen von | Sir Robert Schomburgk. | Erster [zweiter, dritter] Theil. | — | Leipzig, | Verlagsbuchhandlung von J. J. Weber. 1847 [1848, 1848]. 3 vols. Sm. 4to, shape of a large 8vo. Vol. I, 1847, map, pp. i-viii, i-x, 1-470, maps and pll. Vol. II, 1848, pp. i-xiv, 1-530, 1 l., pll. Vol. III, 1848, with special title: Versuch | einer | Fauna und Flora | von | Britisch-Guiana. | Nach Vorlagen | von | Johannes Müller, Ehrenberg, | Erichson, | Klotzsch, Troschel, | Cabanis und andern. | Systematisch bearbeitet | von | Richard Schomburgk. | — | Leipzig, | Verlagsbuchhandlung von J. J. Weber. | 1848. pp. i-viii, 531-1260, 1 l. > Vögel, bearbeitet von J. Cabanis, pp. 602-765.

The third volume, as just indicated, has a special title, by which it is sometimes cited apart from the rest, giving the impression that it is a different work.

Schomburgk's Guiana becomes a very important work in South American ornithology, from the number of new genera and species described by Cabanis in his elaborate presentation of the subject. Various touchings of birds, by Schomburgk himself, occur through the other volumes; but Cabanis's article is the formal presentation of the ornithological affair. It is a systematic synopsis, with synonymy, description, and much critical comment by Cabanis, and miscellaneous matter by Schomburgk. According to Schomburgk's opening paragraphs:

"Meine Vögelsammlung enthält 424 Arten, also noch 6 Arten mehr, als in der Einleitung zur Fauna angegeben sind: *Oscines* 83, darunter 12 neue; *Clamatores* 93, darunter 11 neue; *Strisores* 36, darunter 3 neue; *Scansores* 77, darunter 2 neue; *Raptatores* 43, darunter 1 neue; *Gyratores* 6; *Rasores* 15, darunter 1 neue; *Grallatores* 55, darunter 1 neue; *Natatores* 16. Im Ganzen 31 neue Arten.

"Bei der systematischen Anordnung ist das neu aufgestellte System des Herrn CABANIS zu Grunde gelegt worden, was hoffentlich um so willkommener geheissen werden wird, als dies jedenfalls unter allen bisher aufgestellten, das erste ist, welches den Anforderungen, die man an ein natürliches System zu stellen berechtigt ist, wirklich entspricht."

Vergl. Ornithologische Notizen von Cabanis in: *Archiv für Naturgeschichte*, Bd. i, 1847. SS. — — — und besonders abgedruckt.

Tardus gymnophthalmus, p. 665; *T. phaeopygus*, genus *Basileuterus*, p. 666; *Setophaga castaneicapilla*, p. 667; *Euphonia minima*, p. 671; *Tragodytes rufulus*, p. 672; *Thryothorus albigpectus*, p. 673; *Diglossa major*, *Saltator olivaceus*, p. 676; *Arremon personatus*, *Coccothraustes ater*, p. 678; *Sporophila castaneiventris*, *Sycalis minor*, p. 679; *Molothrus atronitens*, *Lamprospiza* (g. n.) *guianensis*, p. 682; *Chalcophanes minor*, ? *Cyanocorax hyacinthinus* ("Natt."), p. 683; *Conopophaga angustirostris*, p. 685; *Dasycephala uropygialis*, p. 686; *Anabates pyrrhodes*, *Premnecopus* (g. n.) *undulatus*, p. 689; *Copurus pocillonotus*, p. 702; *Campylopterus hyperythrus*, p. 709; *Caprimulgus nigrescens*, p. 710; ? *Nyctibius rufus*, p. 711; *Coccygus helveticus*, p. 714; *Psittacula modesta*, p. 727; *Buteo abbreviatus* ("Licht. Mus. Berol."), p. 739; *Trachypellus* (g. n.) *subcristatus*, p. 749; *Crex schomburgkii* descr. orig. Theil ii. p. 245, spp. nn. Other genera of Cabanis's here new, or lately new, are *Geothlypis*, p. 666; *Phoenicossoma* (for *Phoenissona*), *Pogonothraupis*, p. 669; *Arbelorhina*, p. 675; *Calyptrophorus* [sic], p. 678; *Tyrhocorax*, p. 713; *Monasta* (for *Monasa*), p. 719; *Ortgargarchus*, p. 739.

1848. [CABOT, S., JR. ?] Incidents of Travel | in Yucatan. | By John L. Stephens, | Author of "Incidents of Travel in Egypt, Arabia, Petraea, and the | Holy Land," "Incidents of Travel in Central America," etc. | Illustrated by 120 engravings. | In two Volumes. | Vol. I [II]. New York: | Published by Harper & Brothers | for Henry Bill. | 1848. 2 vols. 8vo. Vol. I, pp. i-xii, 9-459, 54 engravings. Vol. II, pp. i-xvi, 9-478, 70 engravings. > Vol. II, Appendix, Memorandum for the Ornithology of Yucatan, pp. 469-476.

I find no indication of the authorship of this "Memorandum", but am under the impression that it is by Dr. Samuel Cabot, jr. It consists of a brief general essay on the subject, concluded with a list of "Birds observed in Yucatan during the winter of 1841, '2, between the months of October and June, which are also found in the United States, and have been figured and described by Wilson, Audubon, Bonaparte, and Nuttall", pp. 475, 476. Both volumes also contain cursory bird-matter by the author.

1848. CASTELNAU, [F. DE]. Considérations sur l'ornithologie de l'Amérique tropicale. <Arch. des Sc. Phys. et Nat., viii, 1848, p. 72.

Compt. Rend. du 6 Mars 1848.

1848. CASTELNAU, F. DE. Considérations générales sur l'ornithologie de l'Amérique tropicale. <Compt. Rend. de l'Acad. Sci., xxvi, 1848, pp. 306, 307.

1848. CASTELNAU, [F.] DE. Considérations générales sur l'ornithologie de l'Amérique tropicale. <Rev. Zool., xi, 1848, pp. 89, 90.

1848. DUBUS, [B.] Ueber einige neue Vögel aus Amerika. <Oken's Isis, Bd. xli, 1848, p. 959.

Bull. Acad. Bruxelles, 1848, p. 347. (I cannot get this. See next title.)

1848. LAFRESNAYE, F. DE. Description de quelques oiseaux nouveaux de Caracas (province de Venezuela) et de Bogota. <Rev. Zool., xi, 1848, pp. 2-12.

Merula olivacea, p. 2; *M. atro-sericea*, p. 3; *Turdus nudigenis*, p. 4; *T. minimus*, *Scaphorhynchus chrysocephalus*, p. 5; *Tyrannula cineracea*, p. 7; *Setophaga albididactyla*, p. 8; *Conirostrum atro-cyanum*, p. 9; *Tachyphonus canicularis*, p. 11; *T. albitempora*, p. 12.

1848. LAFRESNAYE, F. DE. Sur le genre *Psittacula* et sur quelques nouvelles espèces d'oiseaux de Colombie et du Mexique. <Rev. Zool., xi, 1848, pp. 170-176.

Ps. conspicillata, *Ps. viridissima*, p. 172; *Tachyphonus ruficeps*, p. 173; *Muscicapa vieillotides*, p. 174; *Pipilo rufipileus*, p. 176, spp. nn.

1848. LAFRESNAYE, [F.] DE. [Reconnaissance d'une notice, extraite des bulletins de l'Académie royale de Belgique, de quinze nouvelles espèces d'oiseaux d'Amérique, décrites par M. le vicomte Dubus.] <Rev. Zool., xi, 1848, pp. 239-249.

Morphnus mezeianus, p. 239; *Ischnoscels niger*, p. 241; *Cyanocorax nanus*, *C. unicolor*, *C. violaceus*, p. 243; *Tityra albitorques*, p. 244; *Sylvia teniata*, *Pyranga cucullata*, *Pitylus polio-gaster*, p. 245; *Pipilo torquatus*, p. 246; *Carduelis notata*, *Arremon ophthalmicus*, p. 247; *Monasa unitorques*, p. 248; *M. inornata*, *Prionites carinatus*, p. 249; en suite de chaque description des observations qu'elles lui ont suggérées.

1848. POEY, D. A. Catalogo metodico de las Aves de la isla de Cuba. <Mem. Real. Soc. Econom. de la Habana, Nov. 1848.

Not seen: title from Giebel.

1849. CORNALIA, E. Vertebratorum Synopsis in Musco Mediolanense extantium que per Novem Orbem Caietanus Osculati collegit annis 1846-47-48. Speciebus novis vel minus cognitis adjectis, necnon descriptionibus atque iconibus illustratis, curante. Mediolani. 1849. 4to. pp. 15, 1 pl.

Not seen.—Cf. Nuov. Ann. Sc. Nat. Bologna, 3d ser., iii, 1851, pp. 349-351.

1849. DEVILLE, E. Description de quelques Mammifères et Oiseaux nouveaux de l'Amérique méridionale. <Rev. et Mag. Zool., i, 1849, pp. 55-58.

Jacamerops isidori, *Galbula chalciocephala*, p. 55; *G. cyanescens*, *Bucco lanocolata*, *Onco-rhynchus castelnaui*, p. 56; *Cassicus oseryi*, p. 57.

1849. GOSSE, P. H. Illustrations | of the | Birds of Jamaica. | By | Philip Henry Gosse. | — | London: | John Van Voorst, 1, Paternoster Row. | 1849. Large 8vo, 1 vol. 3 pp. text (title, advt., and contents), 52 col'd pl.

1849. GOSSE, P. H.—Continued.

The plates, 52 in number, representing 51 spp., drawn and engraved by the author, printed by Reeve, Benham & Reeve, form the only published part of a series designed to illustrate all the species noticed in the *Birds of Jamaica*; their numbers are consequently, not continuous, though usually arranged consecutively. They represent, among others, Gosse's new species, and include some not in the *Birds of Jamaica*, and are as follows (references to pages being to the *Birds of Jamaica*, 1848, q. v.):—

Pl. II, *Buteo borealis*, p. 11. IV, *Ephialtes grammicus* Gosse, p. 19. VI, *Nyctibius jamaicensis*, p. 41. VII, *N. pallidus* Gosse, p. 49. VIII, *Acanthylis collaris*?, p. 51. IX, *Tachornis phœnicobia* Gosse, with nest, p. 58. X, *Cypselus niger*, p. 63. XII, *Hirundo euchrusca* Gosse, p. 68. XIV, *Todus viridis*, p. 72. XVI, *Certhiola flaveola*, p. 84. XVII, *C. maritima* [ex Wils. = *tigrina* Gm.], p. 87. XVIII, *Lampornis mango*, p. 88. XIX, *Trochilus polytmus*, ♂, and XX, the same, ♀, and nest, p. 104. XXI, *Mellisuga humilis*, ♂, ♀, nest, p. 127. XXII, *Trochilus Maria* "Hill" (*Ann. N. H.*, 1849; not in *B. Jam.*). XXIII, *Merula leucogenys*, p. 136. XXIV, *M. jamaicensis*, p. 142. XXVIII, *Scirus noveboracensis*, p. 151. XXXII, *Sylviola pensilis*, p. 156. XXXIV, *S. coa* Gosse, p. 158. XXXVII, *S. pannosa* Gosse, p. 162. XXXVIII, *S. phæretia* Gosse, p. 163. XL, *Myiobius pallidus* Gosse, p. 166. XLI, *M. tristis* Gosse, p. 167. XLII, *M. stolidus* Gosse, p. 168. XLIV, *Tyrannus caudifasciatus*, p. 177. XLV, *Elania cotta* Gosse (*Ann. Nat. Hist.*, 1849; not in *B. Jam.*). LII, *Corvus jamaicensis*, p. 209. LIII, *Quiscalus crassirostris*, p. 217. LVI, *Tanagra nigrocphala*, p. 231 ("T. zena"). LVIII, *Tawagrella ruficollis*, ♂, ♀, p. 236. LIX, *Euphonia jamaica*, ♂, ♀, p. 238. LX, *Coturniculus tizicurus* Gosse, p. 242. LXI, *Crithagra brasiliensis*, p. 245. LXII, *Spermophila anoantha* Gosse, p. 247 (p. "242", err. on pl.). LXIV, *S. bicolor*, p. 252. LXV, *S. adoxa* Gosse, p. 253. LXVI, *Pyrrhula violacea*, p. 254. LXVII, *P. robinsonii*, Gosse, p. 259. LXXXIV, *Piaya pluvialis*, p. 277. LXXXIV, *Geotrygon sylvatica* Gosse, p. 316. LXXXV, *Zenaida? plumbea* Gosse, MSS., ref. to p. 324. XC, *Egretta nigra* Gosse, p. 334. XCIII, *E. ruficollis* Gosse, p. 338. CII, *Kallus concolor* Gosse, p. 369. CIV, *Ortygometra minuta*, p. 372. CVIII, *Himantopus nigricollis*, p. 386. CX, *Anas maxima* Gosse, p. 399. CXI, *Cyanopterus inornatus* Gosse, p. "209". CXIII, *Erismatura ortygoides*, p. 406. CXX, *Podiceps dominicus*, p. 440.

1849. GOSSE, P. H. Descriptions of two new Birds from Jamaica. < *Ann. Mag. Nat. Hist.*, (2), iii, 1849, pp. 257-259.

Elania [sic] *cotta*, p. 257; *Trochilus maria*, p. 258.

1849. HARTLAUB, G. Description de deux nouvelles espèces d'Oiseaux de Caraccas. < *Rev. et Mag. de Zool.*, i, 1849, pp. 274, 275.

Conurus erythrochlorus, p. 274 (voir op. cit., ii, 1850, p. 158); *Icterus melanopterus*, p. 275.

1849. HARTLAUB, G. Description de deux nouvelles espèces d'Oiseaux de Venezuela. < *Rev. et Mag. de Zool.*, i, 1849, pp. 275, 276.

Ampelis formosa, p. 275; *Turdus vulpinus*, p. 276.

1849. [JARDINE, W.] Ornithology of Quito. < *Jard. Contrib. Orn.*, 1849, pp. 41-45, 66.

Chiefly relating to zones of elevation. A following paper under the same title describes certain *Trochilidae*; you will find it under head of *Trochilidae*, in the "systematic" portion of my Bibliography, if this is ever published.

1849. LAFRESNAYE, [F.] DE. Faune du Pérou, du docteur Tschudi, partie ornithologique; par M. J. Cabanis, conservateur du Muséum de Berlin. < *Rev. et Mag. de Zool.*, i, 1849, pp. 97-108, 232-247.

Critique de cet ouvrage.

1850. LEMBEYE, J. Aves | de la Isla de Cuba, | por | Juan Lembeye. | — | Habana. | Imprenta del Tiempo, | Calle de Aguiar num. 45 | — | 1850. 1 vol. 4to. pp. 136, 2 ll., pll. 20.

Text synonymatic, descriptive, and general, treating of 86 spp.; 3 others given in a Supplemento. Contains also a compiled nominal list of 222 spp. arranged after d'Orbigny.—*Vireo gundlachii*, p. 29, pl. 5, f. 1; *Muscicapa elizabeth*, p. 39, pl. 5, f. 3; *Hirundo coronata* "Mus. Berol.", p. 45; *Cypselus iradii*, p. 50, pl. 7, f. 4; *Agelaius assimilis* Gundl. MSS., p. 64; *Anabates fernandina*, p. 66, pl. 5, f. 2; *Orthorhynchus kelencæ* Gundl. MSS., p. 70, pl. 10, f. 2; *Ardea cubensis* Gundl. MSS., p. 84, pl. 13, f. 1; *A. brunescens* Gundl. MSS., p. 84, pl. 12; *Hemipalama minor* Gundl. MSS., p. 97, pl. 13, f. 1, spp. nn.

1850. MITCHELL, D. W. [Notice of Lord Harris's collection from Trinidad.] < *P. Z. S.*, xviii, 1850, pp. 99, 100.1850. STRICKLAND, H. E. [Descriptions of four species of birds from the Peruvian Andes.] < *Jard. Contrib. Orn.*, 1850, pp. 47-50.

Monasa flavirostris, p. 47; *Todirostrum chrysocrotaphum*, *Euphonia bicolor*, p. 48, spp. nn., the other being *Tachyphonus rufiventer* (Spix).

1850. WALLACE, A. R. Journey to explore the Natural History of the Amazon River. < *Ann. Mag. Nat. Hist.*, (2), vi, 1850, pp. 494-496.
Field-notes on several birds.
1851. BONYAN, G. R. Notes on the Raptorial Birds of British Guiana. < *P. Z. S.*, xix, 1851, pp. 53-61.
Field-observations on a large number of species, mostly given only under English names.
1851. DEVILLE, E. Note sur quatre espèces nouvelles d'oiseaux provenant de l'expédition de M. Castelnau; le *Corvus Weddellii*, *C. jugularis*, *C. Luciani* et *Cultrides Pucheranii*. < *Rev. et Mag. de Zool.*, iii, 1851, pp. 209-213.
1851. GOSSE, P. H. A | Naturalist's Sojourn | in | Jamaica. | By | Philip. Henry Gosse, A. L. S., &c. | Assisted by Richard Hill, Esq., Cor. M. Z. S. Lond., | Mem. Counc. Roy. Soc. Agric. of Jamaica. | [Quotation.] | London: | Longman, Brown, Green, and Longmans. | 1851. 1 vol. Sm. 12mo. pp. iii-xxxiv, 1-508, pll. i-viii.
Birds and flowers, pp. 166-177, in the author's well-known delightful style.
- 1851-52. GOSSE, P. H. Singing Birds and Sweet Flowers in Jamaica. < *Edinb. New Philos. Journ.*, lii, 1852, pp. 31-33, 268-271.
Extract from "A Naturalist's Sojourn in Jamaica", p. 170.—Controverting the flippant dogma that in tropical countries, where birds and flowers are of brilliant colors, the former are songless and the latter without fragrance.
1852. ARBOLEYA, J. G. DE. Manual | de la | Isla de Cuba. | Compendio | de su Historia, Geografía, Estadística y Administración. | Su autor | D. José G. de Arboleya. | — | Con 5 planos y 30 láminas. | — | Havana: 1852. | Imprenta del Gobierno y Capitanía General por S. M. 1 vol. 18mo. pp. 1-382 + 1 l., maps, plates.
"En punto á aves tiene la Isla excelente y abundante caza. Hé aquí una lista alfabética de las principales", pp. 165-167, 2 lám.
1852. DEVILLE, E. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Mouches, suivies de quelques notes anatomiques et de mœurs sur l'Hoazin, le Caurale et le Savacon. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 208, 226, pl. 9.
Ornisnyia, dix esp. *Opisthocornus* (pl. 9). *Eurypyga helias*. *Canceroma cochlearia*.
1852. GUNDLACH, J. Description of five new Species of Birds, and other Ornithological notes of Cuban Species. Read before the Boston Society of Natural History, March 3d, 1852. < *Journ. Bost. Soc. Nat. Hist.*, vi, pt. iii, 1852, pp. 313-319.
Muscicapa sagræ, p. 313; *M. lembeyi*, p. 314; *Orpheus saturninus* Licht., *Columba caniceps*, p. 315; notes on 13 other spp.
1852. [JARDINE, W.] Ornithology of the Island of Tobago. < *Jard. Contrib. Orn.*, 1852, pp. 63-68, 81-88.
Merely a general sketch of the subject.
1852. [JARDINE, W.] Descriptions of some [lately] New Species of Birds from the Parisian Collections. < *Jard. Contrib. Orn.*, 1852, pp. 129-132, pll. xcvi-c.
Just before published by P. L. Selater in *Rev. et Mag. Zool.*, iv, 1852, pp. 8, 9, q. v.; descr. here quoted and figg. given. *Cotinga porphyrolema* Deville & Sel., pl. xvi; *Arremon mysticallis* Sel., pl. xcix; *Pipilopsis flavicularis* Sel., pl. xcvi; *Pipraeidea albiventris* Sel., pl. c, f. 2; *P. isidorei* Sel., pl. c, f. 1; *P. flavicapilla* Sel., pl. xcvi, f. 2; *P. pyrocephala*, pl. xcvi, f. 1.
1852. KNOX, J. P. An Historical Account of St. Thomas, W. I., with notices of St. Croix and St. John's. By John P. Knox. New York: 1852.
Not seen: said to contain (pp. 220 et seq.) a slight sketch of the ornithology of St. Thomas, largely copied from Ledru's 'Voyage'.
1852. MOSQUERA, T. C. DE. Memoria sobre la Geografía física y política de la Nueva Granada. New York. 1852. 8vo.
Not seen: title from Giebel. See the American ed., 1853.

1852. SCLATER, P. L. Ornithological Observations. IX.—On the Birds from Yucatan described by Dr. Cabot in the Journal of the Boston Natural History Society [vols. iv, v]. < *Jard. Contrib. Orn.*, 1852, p. 96.
Mr. Cassin's identifications of 9 spp., only one of which is allowed to stand.
1852. SCLATER, P. L. Description de six Oiseaux nouveaux appartenant à la collection du Muséum d'histoire naturelle de Paris. < *Rev. et Mag. de Zoologie*, iv, 1852, pp. 8, 9.
Arremon mysticalis [sic], *Pipilopsis flavigularis*, *Pipraidea albiventris*, p. 8; *Pipra isidorei*, *P. flavicapilla*, *P. pyrocephala*, p. 9.
1852. SEEMANN, B. Notes on the Zoology of the Isthmus of Panama. < *Zoologist*, x, 1852, pp. 3313–3320.
Only a slight paragraph on birds, p. 3315.
1852. WILLIAMS, J. J. The | Isthmus | of | Tehuantepec | . . . | New York: | D. Appleton & Company, 200 Broadway. | M DCCC LII. 1 vol. 8vo. pp. 295.
Cursory allusion to a few spp. of birds at pp. 208–210.
1853. BONYAN, G. R. Notes on the Raptorial Birds of British Guiana. < *Ann. Mag. Nat. Hist.*, (2), xi, 1853, pp. 138–146.
From *P. Z. S.*, xix, 1851, pp. 53–61.
1853. BURMEISTER, H. Ueber die Eier und Nester einiger brasilianischer Vögel. < *J. f. O.*, 1853, i, pp. 161–177.
Treats of 17 spp., exclusive of the *Trochilidae* mentioned, with extended descriptions of nests and eggs.
1853. MOSQUERA, T. C. DE. Memoir | on the | Physical and Political Geography | of | New Granada. | Dedicated to the American Geographical and Sta- | tistical Society of New York. | By General T. C. de Mosquera, | [etc., 5 lines.] | Translated from the Spanish by | Theodore Dwight. | New York: | Published by T. Dwight, 116 Broadway. | 1853. 1 vol. 8vo. pp. 105, map.
I have not seen the original, 1852. In this version, under head of "Animals", occurs a nominal (Spanish and Latin) list of a few birds, not well determined, pp. 35–37. It is of no consequence.
1853. ROSENSCHÖLD, E. M. AF. Bref från Dr E. Munck af Rosenschöld i Paraguay. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1852*, 1853, pp. 174–176.
1853. SCLATER, P. L. Description de deux nouvelles espèces d'Oiseaux. < *Rev. et Mag. de Zool.*, v, 1853, p. 480.
Daenis pulcherrima, *Formicivora ornata*.
1853. WALLACE, A. R. A | Narrative of Travels | on the | Amazon and Rio Negro, | with an account | of the | Native Tribes, | and observations on the Climate, Geology, and Natural | History of the Amazon Valley. | By Alfred R. Wallace. | With a Map and Illustrations. | London: | Reeve and Co., Henrietta Street, Covent Garden. | 1853. 1 vol. 8vo. pp. viii, 542, with 18 pp. of advts., map, folding table, col'd frontisp., pll. vii, and other illust.
Chap. XVI, Observations on the Zoology of the Amazon District, pp. 446–475; B. Birds, pp. 461–463: only mention of a few of the most interesting and beautiful. Cf. *Nat. Hist. Rev.*, i, 1854, pp. 117–121.
1854. ROSENSCHÖLD, E. M. AF. Bref från Paraguay. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1853*, 1854, pp. 102–114.
1854. SCLATER, P. L. On two [lately] new species of South American Birds. < *Ann. Mag. Nat. Hist.*, (2), xiv, 1854, p. 158.
Culicivora boliviana, *Pipra flavo-tincta*. From *P. Z. S.*, Feb. 24, 1852.
1854. SCLATER, P. L. List of a Collection of Birds received by Mr. Gould, from the Province of Quijos in the Republic of Ecuador. < *P. Z. S.*, lxxii, 1854, pp. 109–115, pll. (Aves) lxvi, lxvii.
69 spp., with critical annotation and synonymy and descriptions of some of them. *Galbula chalcothorax*, p. 110; *Tyrannula phænicura*, p. 113, pl. lxvi, f. 1; *Arremon spectabilis*, p. 114, pl. lxvii, spp. nn.

1854. WALLACE, A. R. Habits of Birds. <Ann. Mag. Nat. Hist., (2), xiii, 1854, pp. 74, 75.

Editorial excerpt from his 'Travels on the Amazon and Rio Negro', 1853, q. v.

- [1854-56.] DESCOURTILZ, J. T. Ornithologie Brésilienne | ou | Histoire des Oiseaux du Brésil, | remarquables par leur plumage, leur chant ou leurs habitudes. | Par le Dr. J. T. Descourtilz, | Membre de la Société Linnéenne de Paris et de la Société auxiliaire de l'industrie de Rio de Janeiro. | [Dessin.] | Rio de Janeiro: | Éditeur, Thomas Reeves. | [1854-56.] 1 vol. gr. fol. (publ. par livr. i-iv). pp. 42, pll. lithochr. 48.

Contient les descriptions et les figures de 164 espèces diverses d'oiseaux du Brésil, accompagnées de quelques courts renseignements sur leurs habitudes, etc. On cite une traduction Anglaise sous le nom de "Brazilian Ornithology, or a History of the Birds of Brazil".

1855. BERNSEÉ, F. [Extract from a letter relating to various birds of the East Falkland Island.] <Proc. Acad. Nat. Sci. Phila., vii, 1855, pp. 257, 258.

Relates to *Bernicla*, 3 spp.; *Hæmatopus*, 2 spp.; and *Chionis alba*.

1855. BOECK, E. v. Vorläufige Bemerkungen über die Ornith. der Provinz Valdivia, in der Republik Chile. <Naumannia, 1855, pp. 494-513.

1855. CASSIN, J. The | U. S. Naval Astronomical Expedition | to | the Southern Hemisphere, | during | the years 1849-'50-'51-'52. | Lieut. J. M. Gilliss, Superintendent. | . . . | Vol. II. Washington. MDCCCLV. >Appendix F. Birds. By John Cassin. pp. 172-206, pll. (col'd) xiv-xxviii.

Systematic account, with miscellaneous field-notes, of 119 spp. of (chiefly? entirely?) South American birds. Pl. xiv, *Falco nigripes*; xv, *Pearacoliis* [sic] *curvatus*; xvi, f. 1, *Agelaius thilius*; p. 2, *Sturnella militaris*; xvii, *Chrysomitris marginalis*; xviii, f. 1, *Calliste cyanicollis*; f. 2, *C. larvata*; xix, f. 1, *C. gyroloides*; f. 2, *C. desmarestii*; xx, f. 1, *Euphonia rufiventris*; f. 2, *Chlorophonia occipitalis*; xxi, f. 1, *Ericornis melanura*; f. 2, *Scytalopus fuscus*; xxii, *Psittacus ochrocephalus*; xxiii, *Branta antarctica*; xxiv, *Bernicla magellanica*; xxv, *Anas melanoccephala*; xxvi, *Querqu. creccoides*; xxvii, *Fuligula metopias*; xxviii, *Phalacrocorax brasilianus*.

1855. DES MURS, P. O. Oiseaux nouveaux ou rare recueillis dans l'Amérique du Sud, par F. de Castelnau, etc. Paris, 1855. 4to. 20 pll.

Not seen: title from a bookseller's catalogue. Compare 1856, same author.

1855. GOULD, J. Descriptions of Eight New Species of Birds from South America. <P. Z. S., xxiii, 1855, pp. 67-70, pl. (Aves) lxxxiii.

Campylorhynchus hypostictus, *Chamaeza nobilis*, *Formicarius nigrifrons*, p. 68; *F. erythropterus*, *Schistochlamys speculiger*, *Thamnophilus corvinus*, *T. melanurus* (pl.), p. 69; *T. hyperythrus*, p. 70.

1855. GOULD, J. Descriptions of Eight [lately] New Species of Birds from South America. <Ann. Mag. Nat. Hist., (2), xv, 1855, pp. 343-346.

Campylorhynchus hypostictus, p. 343; *Chamaeza nobilis*, *Formicarius nigrifrons*, p. 344; *F. erythropterus*, *Schistochlamys speculigera*, *Thamnophilus corvinus*, *T. melanurus*, p. 345; *T. hyperythrus*, p. 346.—From P. Z. S., 1855, pp. 67-70, pl. lxxxiii.

1855. GOULD, J. [Remarks on Exhibition of a portion of a collection of Birds formed by Mr. Hauxwell in the neighbourhood of the River Ucayali.] <P. Z. S., xxiii, 1855, pp. 77, 78.

1855. JARDINE, W. Contributions to Ornithology. I. Professor W. Jameson's Collections from the Eastern Cordillera of Ecuador. <Edinb. New Philos. Journ., new ser., ii, 1855, pp. 113-119.

Letters from W. Jameson. Field-notes on 10 spp. *Tanagara* [sic] *notabilis*, *Saltator aramonops*, p. 119, spp. "nn."

1855. PHILIPPI, R. A. Ueber einige Vögel Chile's. Briefliche Mittheilung an den Herausgeber. <Arch. f. Naturg., 1855, (1), pp. 9-14.

Behandelt vier Arten—*Phoenicopterus andinus*, sp. n., p. 12; *Ardea eocoi*, *Xanthornus cayennensis*, *Circus macropterus*.

1855. SCLATER, P. L. List of a Collection of Birds received by Mr. Gould, from the Province of Quijos in the Republic of Ecuador. <Ann. Mag. Nat. Hist., (2), xvi, 1855, pp. 279-285.

From P. Z. S., May 9, 1854, pp. 109-115, pll., q. v.

1855. SCLATER, P. L. Descriptions of some New Species of Birds from Santa Fé di Bogota. < *P. Z. S.*, xxiii, 1855, pp. 109, 110, pll. (Aves) xcix-cii.
Nemosia albigularis, pl. xcix; *Pyriglena ellisiana*, pl. c; *Anthus bogotensis*, pl. ci, p. 109; *Otocorys peregrina*, pl. cii, p. 110.
1855. SCLATER, P. L. On the Birds received in collections from Santa Fé di Bogota. < *P. Z. S.*, xxiii, 1855, pp. 131-164, pll. (Aves) ciii, civ.
 435 spp. briefly annotated. *Heteroenemis* (g. n.) *marginata*, p. 145; *Todirostrum gracilipes*, p. 149; *Calliste inornata* "Gould", p. 158, spp. nn.; pl. ciii. *Vireolanus icterophrys* Bp.; pl. civ, *Ampelis cinetus* (Tsch.).
- 1855-57. GUNDLACH, J., and CABANIS, J. Dr. J. Gundlach's Beiträge zur Ornithologie Cuba's. Nach Mittheilungen des Reisenden an Hr. Bez.-Dir. Seizekorn in Cassel; von Letzterem zusammengestellt. Mit Zusätzen und Anmerkungen geordnet vom Herausgeber. < *J. f. O.*, ii, 1854 (Extrah. 1855), pp. lxxvii-lxxxvii; iii, 1855, pp. 465-480; iv, 1856, pp. 1-16, 97-112, 337-352, 417-432; v, 1857, pp. 225-242.
 An important review of the subject. This is the first of numerous articles upon Cuban birds, wholly or in part by Dr. Gundlach; it is chiefly to be regretted that in the beginning insufficient attention to precision of identification resulted in too many "additions and corrections". The present series constitutes a systematic synopsis of Cuban birds, the technicalities by Cabanis, the field-notes by Gundlach. *Hypomorphnus gundlachii*, p. lxxx; *Phylomanes barbatulus*, p. 467; *Minus gundlachii*, p. 470; *Teretistris*, p. 475; *Melittarchus*, p. 478; *Contopus*, p. 479; *Blacicus*, p. 480; *Aulanax*, p. 1; *Chordeiles minor*, p. 5; *Corvus minutus* Gundl., p. 97; *Geotrygon caniceps* Gundl., p. 110; *Perisura*, p. 111; *Ocuiscus*, p. 343; *Trynites*, p. 418; *Notherhodius holostictus*, p. 426; *Limnospardalus*, p. 428; *Cerciscus*, p. 428, are new genus or spp., all but 2 by Cabanis; 251 spp. in all are treated. See especially *J. f. O.*, ix, 1861, pp. 401-416; x, 1862, pp. 81-96, 177-191.
1856. BURMEISTER, H. Systematische Uebersicht | der Thiere Brasiliens, | welche | während einer Reise durch die Provinzen von Rio de Janeiro und Minas geraës | zusammelt oder beobachtet | wurden | von | Dr. Hermann Burmeister, | o ö Prof. d. Zoologie und Direct. d. zool. Mus. der Universität zu Halle. | Zweiter Theil. | Vögel (Aves). | Erste [Zweite] Hälfte. | Berlin. 1856. | Druck und Verlag von Georg Reimer. 2 vols. 8vo. Vol. I, pp. x, 526 + 2. Vol. II, pp. xiv, 466.
 Ornithology occupies the 2d and 3d vols. of this work (1st vol., Mammals, Berlin, 1854). It is an extensive and elaborate general treatise upon the subject.
1856. BURMEISTER, H. Erläuterungen zur Fauna Brasiliens, enthaltend Abbildungen und ausführliche Beschreibungen neuer oder ungenügend bekannter Thier-Arten. Von Dr. Herm. Burmeister. Berlin. 1856. Folio.
 Not seen.
1856. DES MURS, P. O. Expédition dans les parties centrales de l'Amérique du Sud, de Rio Janeiro à Lima et de Lima au Para, etc. Par Fr. de Castelnau. Oiseaux, par P. O. Desmurs. 1856. 4to.
 Not seen: title from Giebel. Compare 1855, same author.
1856. GOULD, J. Descriptions of Eight New Species of Birds from South America. < *Ann. Mag. Nat. Hist.*, (2), xvii, 1856, pp. 428-431.
 From *P. Z. S.*, April 10, 1855.
1856. JARDINE, W. Contributions to Ornithology. No. II., Professor W. Jameson's Collections from the Eastern Cordillera of Ecuador continued.—Expedition from Quito to the Mountain Cayambe. < *Edinb. New Philos. Journ.*, new ser., iii, 1856, pp. 90-92, pl. iv.
 Collector's notes of the locality. Writer's remarks on *Tetragonops ramphastinus* (pl. iv) and other birds.—*Arremon leucopterus*, n. s., p. 92.
1856. KINAHAN, [R. J.] Letter from Dr. Kinahan, dated Callao, August, 1855. < *Nat. Hist. Rev. (Pr. Soc.)*, iii, 1856, pp. 24-26.
 Referring, among other things, to birds, especially Albatrosses.
1856. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera *Chordeiles*, *Swainson*, and *Polioptila*, Selater. < *Ann. Lye. Nat. Hist. New York*, vi, 1856, pp. 165-169.
Chordeiles gundlachii, p. 165; *C. texensis*, p. 167; *Polioptila melanura*, p. 168.

1856. PELZELN, A. v. Ueber neue u. wenig bekannte Arten der kais. ornithologischen Sammlung nebst Auszügen aus J. Natterers handschriftlichen Katalog über die von ihm in Brasilien gesammelten Species der Familien Trogonidae und Alcedinidae. < *Sitz.-Berichte Königl. Akad. Wiss. Wien*, xx, 1856, pp. 492 —. Not seen.
1856. RAIMONDI, A. Mémoire sur le huano des îles de Chinchá et les oiseaux qui le produisent. < *Comp. Rend. de l'Acad. Sci. Paris*, xlii, 1856, pp. 735-738.
1856. RAIMONDI, A. [Résumé d'un mémoire sur le huano des îles de Chinchá et les oiseaux qui le produisent.] < *Rev. et Mag. de Zool.*, viii, 1856, pp. 190, 191.
1856. SCLATER, P. L. Descriptions of some [lately] New Species of Birds from Santa Fé di Bogota. < *Ann. Mag. Nat. Hist.*, (2), xviii, 1856, pp. 60, 61.
From *P. Z. S.*, June 26, 1855, pp. 109, 110.
1856. SCLATER, P. L. On two [lately] new species of Birds from Santa Fé di Bogota. < *Ann. Mag. Nat. Hist.*, (2), xviii, 1856, pp. 186, 187.
From *P. Z. S.*, July 24, 1855, pp. 131-164.
1856. SCLATER, P. L. Descriptions of eight new species of Birds from South America. < *Ann. Mag. Nat. Hist.*, (2), xviii, 1856, pp. 466-470.
Synallaxis castanea, p. 466; *Diglossopsis* (g. n.) *cærulescens*, p. 467; *Diglossa indigotica* (J. & E. Verr. MS.), p. 467; *Anabates infuscatus*, A. *lineaticeps*, *Myiadestes venezuelensis*, p. 468; *Pipreola melanotema*, *Chiroziphia regina*, p. 469.
1856. SCLATER, P. L. On some additional Species of Birds received in collections from Bogota. < *P. Z. S.*, xxiv, 1856, pp. 25-31, pll. (Aves) cxvi-cxix.
Synallaxis elegans, p. 25; *S. maesta*, p. 26; *Anabates erythropterus*, p. 27; *Margarornis brunnescens*, p. 27, pl. cxvi; *Ochthoeca funicolor*, p. 28, pl. cxvii; *Euscarthmus agilis*, p. 28, pl. cxviii; *Pipra coracina*, p. 29; *Conopophaga cucullata*, p. 29, pl. cxix; *Chlorospingus xanthophrys*, *C. lichensteinii*, p. 30; *Gallinago nobilis*, *Rallus semiplumbeus*, p. 31, spp. nn.
1856. SCLATER, P. L. List of Mammals and Birds collected by Mr. Bridges in the vicinity of the town of David in the Province of Chiriqui in the State of Panama. < *P. Z. S.*, xxiv, 1856, pp. 138-143.
Of birds, 46 spp.—*Thamnophilus bridgesi*, p. 141; *Geotrygon chiriquensis*, p. 143, spp. nn.
1857. BONAPARTE, C. L. Catalogue méthodique accompagné de notes des Oiseaux recueillis à Cayenne par M. E. Desplanches, chirurgien de la marine impériale, pendant la première campagne de l'avis à vapeur, la Rapide, années 1854-1856. < *Bull. Soc. Linn. Normandie*, ii, 1857, pp. 29-40.
Of this piece I have not seen the original, but a MS. copy made by S. F. Baird, Nov. 21-26, 1863. It is an annotated list of 130 spp., a few of which are described, the rest merely given by name. *Planchesia* Bp. (type *Muscicapa fuliginosa* Gm., *fusca* Bodd.; *P. E.* 574, f. 1), p. 36, g. n.
1857. GOULD, J. Description of a [lately] new Trogon and a [lately] new Odontophorus. < *Ann. Mag. Nat. Hist.*, (2), xix, 1857, pp. 110, 111.
From *P. Z. S.*, May 13, 1856.
1857. HARTLAUB, G. Zur Ornithologie Südamerika's. < *J. f. O.*, 1857, v, pp. 36-50.
Burmeister's Thiere Bras.; Cassin's Birds of Gilliss' U. S. Naval Astron. Exped.; Des Murs' Castelnau's Voy. and Sclater's B. of Bogotá in *P. Z. S.*, 1855. In some measure a review of the works quoted, but rather a systematic summary of their results.
1857. JARDINE, W. Contributions to Ornithology. No. IV. < *Edinb. New Philos. Journ.*, new ser., v, 1857, pp. 255-257.
Brief notes on 5 spp. from Quito.
1857. PHILIPPI, R. A. Ueber einige Chilenische Vögel und Fische. < *Arch. f. Naturg.*, 1857, (1), pp. 262-272.
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1857. SALLÉ, A. Liste des Oiseaux rapportés et observés dans la République Dominicaine (ancienne partie Espagnole de l'île St. Domingue ou d'Haiti), pendant son voyage de 1849 à 1851. (Communicated by Philip Lutley Sclater.) < *P. Z. S.*, xxv, 1857, pp. 230-237.
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1857. SCLATER, P. L. On a [lately] new Genus of Birds from Mexico. <Ann. Mag. Nat. Hist., (2), xx, 1857, p. 470.
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1857. SCLATER, P. L. On two [lately] new Species of Birds from Bogota. <Ann. Mag. Nat. Hist., (2), xx, 1857, p. 472.
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1857. SCLATER, P. L. Further Additions to the List of Birds received in Collections from Bogota. <P. Z. S., xxv, 1857, pp. 15-20.
52 spp., shortly annotated. *Anabates striaticollis*, *Sclerurus brunneus*, p. 17, spp. nn.
1857. SCLATER, P. L. On a Collection of Birds transmitted by Mr. H. W. Bates from the Upper Amazon. <P. Z. S., xxv, 1857, pp. 261-268.
79 spp., with annotation. *Eubucco aurantiicollis*, p. 267, sp. n., and synopsis of 7 spp. of that section of the genus *Bucco*. See 1863, and 1864, BATES, H. W.
1857. SCLATER, P. L. Descriptions of Eleven New Species of Birds from Tropical America. <P. Z. S., xxv, 1857, pp. 271-277, pl. (Aves) cxxx.
Campylorhynchus pardus, p. 271; *C. striaticollis*, p. 272; *Anabazenops guttulatus*, p. 272, pl. cxxx; *Synallaxis multostriata*, *Turdus fulviventris* Verr. MS., *T. ignobilis*, p. 273; *Cinclus leuconotus*, *Tyrannus atrifrons*, p. 274; *Melanoptila* (g. n.) *glabrirostris*, p. 275, woodcc.; *Lipaugus rufescens*, p. 276; *Tinamus castaneus*, p. 277.—Note that *Tyrannus atrifrons* Scl. = *Scauphaga bairdii* Gamb. = *Tyrannus bairdi* Scl.
1857. TAYLOR, W. J. Investigation on the Rock Guano from the Islands of the Caribbean Sea. <Proc. Acad. Nat. Sci. Phila., ix, 1857, pp. 91-100.
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Chapter III, Natural History, p. 100; Birds, by the author, pp. 118-126.—Appendix: An Essay on the Ornithology of Trinidad, by Antoine Léotaud, M. D. P., pp. 423-439, giving considerable information on the subject.
1858. GUNDLACH, J. Notes on some Cuban Birds, with Descriptions of three New Species. <Ann. Lyc. Nat. Hist. New York, vi, 1858, pp. 267-275. (Read June 29, 1857.)
Colaptes chrysocaucosus, *Culicivora lembeyi*, p. 273; *Tercistris fornsi*, p. 275, spp. nn.
1858. LAWRENCE, G. N. Observations of the Preceding Paper [i. e., Notes on some Cuban Birds, with Descriptions of three New Species, by Gundlach]. <Ann. Lyc. Nat. Hist. New York, vi, 1858, pp. 275-277. (Read June 29, 1857.)
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1858. SCLATER, P. L. Descriptions of Eleven [lately] New Species of Birds from Tropical America. <Ann. Mag. Nat. Hist., (3), i, 1858, pp. 302-308, figg.
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1858. SCLATER, P. L. On [lately] new Species of Birds from the Rio Napo, in the Republic of Ecuador. <Ann. Mag. Nat. Hist., (3), ii, 1858, pp. 144-150.
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1858. SCLATER, P. L. On [lately] new Species of Birds from the Rio Napo, in the Republic of Ecuador. <Ann. Mag. Nat. Hist., (3), ii, 1858, p. 235.
From P. Z. S., Jan. 26, 1858, pp. 50-77.

1858. SCLATER, P. L. Notes on a Collection of Birds received by M. Verreaux of Paris from the Rio Napo in the Republic of Ecuador. < *P. Z. S.*, xxvi, 1858, pp. 59-77, pl. (Aves) cxxxii.

174 spp.—*Anabates melanocephalus*, p. 61; *Anabates pulvericolor*, *Synallaxis brunneicaudalis*, p. 62; *S. albigularis*, p. 63; *Malacocichla maculata*, p. 64; *Thamnophilus aethiops*, *T. capitis*, p. 65; *Dysithamnus leucostictus*, *D. semicinctus*, p. 66; *Heterocnemis albigularis*, p. 67; *Conopophaga torrida*, *Grallaria flavirostris*, *G. fulviventris*, p. 68; *Agathopus* (n. g.) *micropterus*, p. 69; *Todirostrum plicatum*, *Cyclorhynchus aequinoctialis*, p. 70; *Platyrhynchus coronatus* "Verr.", *Elaenia luteiventris*, p. 71; *Creurgops* (n. g.) *verticalis* Verr., pl. cxxxii, f. 2; *Euchetes* (g. n., "Verr.") *coccineus* "Verr.", p. 73, pl. cxxxii, f. 1; *Celeus verreauxi* "Malh.", p. 74, spp. nn.

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1858. SCLATER, P. L. Characters of Five New Species of [Central and South] American Birds. < *P. Z. S.*, xxvi, 1858, pp. 446-449.

Euchloris frontalis, p. 446; *Turdus leucauchen*, *Geothlypis speciosa*, p. 447; *Cyclorhis flavipectus*, *Cincludus bifasciatus*, p. 448.

1858. SCLATER, P. L. List of Birds collected by Mr. Louis Fraser, at Cuenca, Gualaquiza and Zamora, in the Republic of Ecuador. < *P. Z. S.*, xxvi, 1858, pp. 449-461, pl. (Aves) cxlv.

87 spp., with critical and field-notes.—*Conirostrum fraseri*, p. 452; *Phrygilus ocularis*, p. 454, pl. cxlv; *Synallaxis antesiensis*, p. 457; *Tyrannulus chrysops*, p. 458.

1858. SCLATER, P. L. On the Birds collected by Mr. Fraser in the vicinity of Riobamba, in the Republic of Ecuador. < *P. Z. S.*, xxvi, 1858, pp. 549-556, pl. (Aves) cxlvi.

59 spp., with collector's and author's notes.—*Troglodytes solitarius*, p. 550; *Catamenia homochroa*, p. 552; *Agriornis solitaria*, p. 553; *Elaenia griseigularis*, pl. cxlvi, f. 1; *E. stictoptera*, pl. cxlvi, f. 2, p. 554, spp. nn.

1859. CASSIN, J. La Plata, | the Argentine Confederation, | and Paraguay. | Being a Narrative of the Exploration of the Tributaries of the | River La Plata and Adjacent Countries during the years | 1853, '54, '55, and '56, | under the orders of the United States Government. | By Thomas J. Page, U. S. N., | Commander of the Expedition. | With Map and Numerous Engravings. | New York: Harper & Brothers, Publishers, | Franklin Square. | 1859. 1 vol. 8vo. pp. i-xxii, 23-632, map and engs. > App. J. Notes on the Birds collected by the La Plata Expedition. By John Cassin. pp. 599-602.

Merely a list of the species collected, with a slight commentary of general character.

1859. EDITORIAL. [Letter from Mr. Fraser at Nanegal, Pichincha, relating to various birds.] < *Ibis*, i, 1859, pp. 208.

1859. EDITORIAL. [Correspondence from Mr. Fraser, in Ecuador.] < *Ibis*, i, 1859, pp. 332, 333.

1859. EDITORIAL. [Correspondence from O. Salvin, en route to Guatemala.] < *Ibis*, i, 1859, pp. 333, 334.

1859. EDITORIAL. [Annotated extracts of letters from Fraser, at Quito and Babahoyo, June and July.] < *Ibis*, i, 1859, pp. 462-464.

1859. EDITORIAL. [Extracts from a letter of O. Salvin, en route to, and in, Guatemala.] < *Ibis*, i, 1859, pp. 466-469.

1859. GOULD, J. List of Birds from the Falkland Islands, with Descriptions of the Eggs of some of the Species, from specimens collected principally by Captain C. C. Abbott, of the Falkland Islands Detachment. < *P. Z. S.*, xxvii, 1859, pp. 93-95.

33 spp.—*Gavia roseiventris*, p. 97, sp. n.

1859. GUNDLACH, J. Ornithologisches aus Briefen von Cuba. < *J. f. O.*, 1859, vii, pp. 294-299, 347-351.

Desultory notes on various species, in continuation of his previous more formal papers on the same subject in the same journal.

1859. MOORE, T. J. List of Mammals and Birds collected by Mr. Joseph Leyland in Honduras, Belize, and Guatemala. < *P. Z. S.*, xxvii, 1859, pp. 50-65, pl. (Aves) cl. cli.

125 spp. of birds, with brief field-notes.—*Ortyx leylandi*, p. 62, sp. n.

1859. NEWTON, A., and NEWTON, E. Observations on the Birds of St. Croix, West Indies, made, between February 20th and August 6th 1857 by Alfred Newton, and, between March 4th and September 25th 1858 by Edward Newton. (Part I [-IV].) < *Ibis*, i, 1859, pp. 59-69, 138-150, 252-264, 365-379, pl. i, xii.

Opens with sketch of the locality; finishes with sketch of the literature of the subject. Critical, descriptive, and field-notes on 64 spp., some of which are queried or left undetermined, and many bibliographical references. Woodcut of trachea of *Dendrocygna arborea*. Eight spp. of eggs figured on pl. xii. *Gymnoglauz nudipes*, pl. i.

1859. OSBURN, W. Notes on the Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6368-6373.

"Contains graphic pictures of Jamaican Ornithology."

1859. OSBURN, W. Notes on the Bats and Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6587-6594.

1859. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6658-6665.

1859. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6709-6721.

1859. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6753-6761.

These notes continued in same journal for 1860. *q. v.*

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Oiseaux, pp. 178-181.

1859. SCLATER, P. L. Characters of Five [lately] New Species of American Birds. < *Ann. Mag. Nat. Hist.*, (3), iii, 1859, pp. 443-446.

From *P. Z. S.*, Nov. 9, 1858, pp. 446-449.

1859. SCLATER, P. L. List of the First Collection of Birds made by Mr. Louis Fraser at Pallatanga, Ecuador, with Notes and Descriptions of New Species. < *P. Z. S.*, xxvii, 1859, pp. 135-147, pl. (Aves) cliv.

102 spp.—*Vireo josephæ*, p. 137, pl. cliv; *Nemosia ornata*, p. 138; *Anabates subularis*, *A. terniporalis*, *Dysithamnus unicolor*, p. 141; *Formicivora caloptera*, *Pachyrhamphus homochrous*, *Cephalopterus penduliger*, p. 142, spp. nn.

1859. SCLATER, P. L. On some new or little-known Birds from the Rio Napo. < *P. Z. S.*, xxvii, 1859, pp. 440, 441.

9 spp.—*Buarremon castaneiceps*, *Grallaria nuchalis*, p. 441, spp. nn.

1859. SCLATER, P. L., and SALVIN, O. On the Ornithology of Central America. Part I [-III]. < *Ibis*, i, 1859, pp. 1-22, 117-138, 213-234, pl. iv. v.

Sketch of literature of the subject; 382 spp. with field-notes, mainly from Mr. Salvin's personal observations, and some synonymy. *Cistothorus elegans*, p. 8; *Cæreba lucida*, p. 14; *Xiphocolaptes elegans*, p. 118; *Sayornis aquatica*, p. 119; *Empidonax albigularis*, p. 122; *Elania villsima*, p. 122, pl. 4, f. 1; *E. placens*, p. 123, pl. 4, f. 2. Various eggs figured at pl. 5. Several species are left undetermined. Cf. *Ibis*, 1866, pp. 188-206.

1860. BREWER, T. M. [List of the Birds of Cuba, compiled from two lists furnished by Dr. Gundlach, of Havana.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, pp. 305-308.

Nominal list of 250 spp.

- * 1860. BRYANT, H. [Notes on two Birds from Bogota.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, pp. 226, 227.

Turdus minivus Lafr.; *Vireo bogotensis*, sp. n., p. 227.

1860. BURMEISTER, H. Systematisches Verzeichniss der in den La Plata-Staaten beobachteten Vögelarten. < *J. f. O.*, viii, 1860, pp. 241-268.

261 spp.; the list shortly annotated and with a few references.

1860. CASSIN, J. Catalogue of Birds collected during a survey of a route for a Ship Canal across, the Isthmus of Darien, by order of the Government of the United States, made by Lieut. N. Michler, of the U. S. Topographical Engineers, with notes and descriptions of new species. < *Proc. Acad. Nat. Sci. Phila.*, xii, 1860, pp. 132-144, 188-197.
144 spp.—*Monasa pallescens*, p. 134 (with synop. of 6 spp. of *Monasa*); *Celex mentalis*, p. 137; *Orthogonyx olivaceus*, *Pittasoma* (g. n.) *michleri*, p. 189; *Dendroica vieillotii*, p. 192 (with synop. of 5 allied spp.), spp. nn.
1860. CASSIN, J. Catalogue of Birds from the Island of St. Thomas, West Indies, collected and presented to the Academy of Natural Sciences by Mr. Robert • Swift. With Notes. < *Proc. Acad. Nat. Sci. Phila.*, xii, 1860, pp. 374-379.
27 spp., annotated.
1860. EDITORIAL. [Notice of Mr. Fraser's Movements and Operations.] < *Ibis*, ii, 1860, pp. 192. 193.
1860. FRAUENFELD, G. V. Ueber den Aufenthalt in Valparaiso und die Ausflüge daselbst, während der Weltfahrt der k. k. Fregatte Novara. < *Verh. (Abhandl.) k. k. zool.-bot. Ges. Wien*, x, 1860, pp. 635.
Grössten Theils ornithologischen Inhalts.
1860. GERMAIN, M. F. Notes upon the Mode and Place of Nidification of some [69 spp.] of the Birds of Chili. < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, pp. 308-316.
1860. GODET, T. L. Bermuda: | its History, Geology, Climate, Products, | Agriculture, Commerce, and Government | from the earliest period to the present time; | with hints to invalids. | By Theodore L. Godet, M. D. | London: | Smith, Elder and Co., 65, Cornhill. | — | M.DCCC.LX. 1 vol. 8vo. > Chap. XIII, pp. 193-198.
Treats of a very few spp., with running commentary.
1860. LAWRENCE, G. N. Description of a New Species of Bird of the Genus Phaeton, also of a New Species of Humming Bird of the Genus Heliopaedica. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 142-145.
Ph. flavo-aurantius, p. 142; *H. castaneocauda*, p. 145.
1860. LAWRENCE, G. N. Notes on some Cuban Birds, with Descriptions of New Species. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 247-275.
27 spp. critically treated; many observations of Dr. J. Gundlach's. *Accipiter gundlachi*, p. 252; *Antrostomus cubanensis*, p. 260, spp. nn.
1860. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Myiarchus and Philopopsis. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 284-286.
M. Panamensis, p. 284; *Ph. McLeannani*, p. 285.
1860. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xviii, 1860, pp. 6833-6841.
1860. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xviii, 1860, pp. 6873-6880.
1860. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xviii, 1860, pp. 6925-6934.
Continued from same journal for 1859, q. v.
1860. PHILIPPI, R. A. Ueber zwei vermuthlich neue Chilenischen Enten und über *Fringilla barbata* Mol. < *Arch. f. Naturg.*, 1860, (1), pp. 24-28.
Anas lopareia, p. 24. *Erismatura vittata*, p. 26. Synonymik von *Chrysomitris barbata*.
1860. PHILIPPI, R. A., and LANDBECK, L. Beschreibung zweier neuen Chilenischen Vögel aus den Geschlechtern Procellaria und Caprimulgus. < *Arch. f. Naturg.*, 1860, (1), pp. 279-284.
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1860. SALVIN, O. [Editorial Extracts from Letters from Dueñas, Guatemala, Aug. 30 and Oct. 25, 1859.] < *Ibis*, ii, 1860, pp. 99-101,

1860. SALVIN, O. [Letters from Vera Paz, relating to various Birds, with a comparative list of the Trochilidae of Dueñas and Cobau.] < *Ibis*, ii, 1860, pp. 193-197.
1860. SALVIN, O., and SCLATER, P. L. Contributions to the Ornithology of Guatemala. < *Ibis*, ii, 1860, pp. 23-45, pl. iii, pp. 272-275, 396-402, pl. xiii.
80 + 39 + 52 = 171 spp. The first article contains species not mentioned in the authors' paper on the same subject in *Ibis*, vol. i, 1859, with the whole of Salvin's field-notes on his first collection; the second, 39 more new to the fauna of the country; the third, 52 more, both with Salvin's field-notes. *Thryothorus pleurostictus*, p. 30; *Elania subpagana*, p. 36; *Malacoptila veraepacis*, p. 40; *Chrysotis guatemalæ* "Hartl.", p. 46, spp. nn. The pls. represent *Chaetura rutila* and *Pionus haematotis*. Cf. *Ibis*, 1866, pp. 188-206.
1860. SCLATER, P. L. Descriptions of [lately] New Species of Birds collected by Mr. Louis Fraser at Pallatanga, Ecuador. < *Ann. Mag. Nat. Hist.*, (3), v, 1860, pp. 427-430.
From *P. Z. S.*, April 12, 1859, pp. 135-147, q. v.
1860. SCLATER, P. L. On two [lately] new Birds from the Rio Napo. < *Ann. Mag. Nat. Hist.*, (3), v, 1860, p. 495.
From *P. Z. S.*, Nov. 22, 1859, pp. 440, 441, q. v.
1860. SCLATER, P. L. On the Eggs of Two Raptorial Birds from the Falkland Islands. < *Ibis*, ii, 1860, pp. 24-25, pl. i.
Pl. i, fig. 1, *Milvago australis*; fig. 2, *Cathartes* sp., wrongly identified as *Milvago australis*; fig. 3, *Buteo erythronotus*.
1860. SCLATER, P. L. List of Additional Species of Birds collected by Mr. Louis Fraser at Pallatanga, Ecuador; with Notes and Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 63-73.
64 spp.—*Thryothorus mystacalis*, p. 64; *Grallaria erythrops*, *G. regulus*, p. 66; *Myiarchus nigriceps*, *Platyrhynchus albogularis*, *Eupsilostoma pusillum*, p. 68; *Tyrannulus flavidifrons*, *T. cinereiceps*, p. 69, spp. nn.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser in the vicinity of Quito, and during excursions to Pichincha and Chimborazo; with Notes and Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 73-83, pl. (Aves) clix.
52 spp.—*Thryothorus cophrys*, p. 74; *Oreomanes* (n. g.) *fraseri*, p. 75, fig. pl. clix; *Cinclodes excelsior*, *C. albidiventris*, p. 77; *Agriornis andecola*, p. 78; *Attagis chimborazensis*, p. 82, spp. nn.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser in Ecuador, at Nanegal, Calacali, Perucho, and Puellaró; with Notes and Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 83-97, pl. (Aves) clx.
130 spp.—*Thryothorus nigricapillus*, *Basileuterus semicervinus*, p. 84; *Oryzoborus athiops*, p. 88; *Pipreola jucunda*, p. 89; *Pipra deliciosa*, p. 90, figg.; *Masius coronulatus*, p. 91; *Cyclorhynchus fultripectus*, p. 92; *Myiobius villosus*, p. 93, spp. nn.
1860. SCLATER, P. L. [Announcement of the arrival of some Mammals and Birds from British Honduras.] < *P. Z. S.*, xxviii, 1860, p. 206.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser at Babahoyo in Ecuador, with Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 272-290, pl. (Aves) cxliv.
134 spp.—*Geothlypis semiflava*, p. 273; *Cyclorhis virenticeps* (pl. cxliv), *Saltator flavidicollis*, p. 272; *Embernagra chrysomus*, p. 275; *Spermophila ophthalmica*, *Oryzoborus occidentalis*, *Cassiculus flavicrissus*, p. 276; *Xiphorhynchus thoracicus*, p. 277; *X. pusillus* (ex Nova Granada), p. 278; *Formicivora consobrina*, *Cercomacra maculosa*, *Pachyrhamphus epodiurus*, p. 279; *Attila torridus*, *Fluvicola atripennis*, p. 280; *Megarhynchus chrysogaster*, *Tyrannus niveigularis*, *Myiarchus phaeocephalus*, p. 281; *Cyclorhynchus subbrunneus*, *Muscivora occidentalis*, p. 282; *Bucco leucocrissus*, p. 284; *Dryocopus fuscipennis*, p. 286, spp. nn.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser at Esmeraldas, Ecuador, with Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 291-295.
93 spp.—*Cyphorhinus phaeocephalus*, p. 291, sp. n.
1860. SCLATER, P. L. Catalogue of Birds of the Falkland Islands. < *P. Z. S.*, xxviii, 1860, pp. 382-391, pl. (Aves) clxxiii. (Cf. op. cit., 1861, p. 45; 1864, p. 73.)
57 spp., with brief field-notes. *Chloephaga rubriceps*, p. 387, pl. clxxiii, sp. n.

1860. SCLATER, P. L. Characters of Ten New Species of American Birds. < *P. Z. S.*, xxviii, 1860, pp. 461-467.
Campylorhynchus nigriceps, p. 461; *C. gularis*, *Vireo modestus*, p. 462; *Vireosylva cobancensis*, p. 463; *Myiobius flavicans*, *M. pulcher*, *M. crypterythrus*, p. 464; *M. cryptozanthus*, p. 465; *Heteropelma amazonum*, *H. flavicapillum*, p. 466. The article includes synopses of the species of *Myiobius* and *Heteropelma*.
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 From *P. Z. S.*, May 22, 1860, pp. 298-301.
1860. SCLATER, P. L., and SALVIN, O. Characters of Eleven New Species of Birds discovered by Osbert Salvin in Guatemala. < *P. Z. S.*, xxviii, 1860, pp. 298-301.
Poliophtila albiloris, *Dendroeca chrysoparia*, p. 298; *Hylophylus cinereiceps*, *Glyphorhynchus pectoralis*, *Thamnistes anabatinus*, *Platyrhynchus cancrinus*, p. 299; *Tyrannulus semiflavus*, *Heteropelma verrepacis*, *Lipaugus holerythrus*, *Pionus haematotis*, *Corchurra rubra*, p. 300.
1860. TAYLOR, G. C. On Birds collected or observed in the Republic of Honduras, with a short Account of a Journey across that country from the Pacific to the Atlantic Ocean. < *Ibis*, ii, 1860, pp. 10-24, 110-122, 222-228, 311-317.
 Description of the region and field-notes on 96 spp.
1861. ABBOTT, C. C. [Field-] Notes on the Birds [66 spp.] of the Falkland Islands. < *Ibis*, iii, 1861, pp. 149-167.
 Cf. *P. Z. S.*, 1860, p. 382, and Feb. 12, 1861, p. 45; also, *Ibis*, 1860, p. 336.
1861. ALBRECHT, R. Zur Ornithologie Cuba's. Nach Geo. N. Lawrence und J. Gundlach mitgetheilt. < *J. f. O.*, 1861, ix, pp. 193-215.
Ann. Lyc. Nat. Hist. N. Y., *passim*, 1855-60. 28 spp.
1861. BOLLE, C. Guano-Gewinnung auf den Chinha-Inseln. < *J. f. O.*, ix, 1861, pp. 357-390.
 Aus *Cuzco und Lima* von Clements Markham, London, 1856.
1861. BURMEISTER, H. Reise durch die La Plata-Staaten, mit besonderer Rücksicht auf die physische Beschaffenheit und den Culturzustand der Argentinischen Republik. Ausgeführt in den Jahren 1857-61. Zweiter Band. Halle. 1861.
 Not seen. Said to contain lists of mammals, birds, etc. Cf. *Ibis*, 1863, pp. 357, 358; *J. f. O.*, viii, 1860, pp. 241-268.
1861. EDITORIAL. [Notes on some birds of the Falkland Islands.] < *Ibis*, iii, 1861, p. 312.
1861. GUNDLACH, J. Tabellarische Uebersicht aller bisher auf Cuba beobachteten Vögel. < *J. f. O.*, 1861, ix, pp. 321-349.
 With tabular statement of periods of migration and breeding, comparative abundance or scarcity, and general geographical distribution, in seven categories. 249 spp.
1861. LAWRENCE, G. N. Descriptions of three new new species of Birds [from Middle America]. < *Ann. Lyc. Nat. Hist. New York*, vii, 1861, pp. 303-305.
Grallaria perspicillata, p. 303; *Poliophtila superciliaris*, p. 304; *Chlorostilbon nitens*, p. 305.
1861. OWEN, ROBERT. On the Nesting of some Gnatemalan Birds. With remarks by Osbert Salvin, . . . < *Ibis*, iii, 1861, pp. 53-69, pl. ii.
 23 spp. Field-notes; desc. of nests and eggs by O. Salvin; 5 spp. eggs figured on pl. ii.
1861. PHILIPPI, [R. A.], and LANDBECK, [L.] Descripcion. De algunas especies nuevas de pájaros [chilenos]. < *Anal. Univ. Chile*, xviii, 1861, pp. 731-734.
Epuerchia albiventris, p. 731; *Larus frobenii*, p. 732; *L. cinereo caudatus*, p. 733.—These three species are also described in *Arch. für Naturg.* of same year.
1861. PHILIPPI, [R. A.], and LANDBECK, [L.] Descripcion de unas nueve especies de pájaros peruanos del Museo Nacional. < *Anal. Univ. Chile*, xix, Nov., 1861, pp. 609-622.
Synallaxis striata, p. 609; *Chlorospiza crythronota*, p. 610; *Pitylus albociliaris*, p. 611; *Sterna lorata*, p. 612; *S. Trobeni* [sic!], p. 613 (commonly quoted *frobeeni* or *frobenii*) ("fué muerta en setiembre de 1851 por el finado Troben"); *S. comata*, p. 614; *Leistes albipes*, p. 616; *Recurvirostra andina*, p. 618; *Dasycephala albicauda*, p. 618.—Cuatro especies del género *Pepoaza* d'Orb.,—*livida*, *andecola*, *montana*, *maritima*.—Noticias sobre el modo de vivir de las dos especies chilenas de *Dasycephala*.

1861. PHILIPPI, R. A., and LANDBECK, L. Neue Wirbelthiere von Chile. <Arch. f. Naturg., (1), 1861, pp. 29-301.

B. Aves: *Upucerthia albiventris*, p. 290; *Larus frobenii*, p. 292; *L. cinereo-caudatus*, p. 293.

1861. SALLÉ, A. Liste d'Oiseaux | a vendre | provenant des chasses faites en Amérique | par M. Auguste Sallé, | Rue Guy-de-la-Brosse, 13, a Paris. | Paris, mars 1861 | 8vo pamph. pp. 7.

Ces oiseaux sont en peaux bien préparées; ils ont été mentionnés par Bonaparte dans les *Compt. Rend.*, et ils ont aussi fourni la matière de plusieurs articles publiés par Selater dans les *P. Z. S.*, 1856, '57, '58, '59 et '60. Ils proviennent du Mexique, de l'île de St. Domingue, de la Vénézuëla et de l'Amérique du Nord.

1861. SALVIN, O. A List of [25] Species to be added to the Ornithology of Central America. <*Ibis*, iii, 1861, pp. 351-357.

Cf. same author's and P. L. Selater's several articles on same subject in same journal, previous numbers. Cf. *Ibis*, 1866, pp. 188-206.

1861. SALVIN, O. Descriptions of three new species of Birds from Guatemala. <*P. Z. S.*, xxxix, 1861, pp. 202, 203.

Cyphorhinus philomela. *Embernagra chloronota*, p. 202; *Aphantochroa roberti*, p. 203.

1861. SALVIN, O. Descriptions of three [lately] new species of Birds from Guatemala. <*Ann. Mag. Nat. Hist.*, (3), viii, 1861, pp. 334, 335.

From *P. Z. S.*, May 14, 1861. pp. 202, 203, q. v.

1861. SCLATER, P. L. Characters of Eight [lately] New Species of American Birds. <*Ann. Mag. Nat. Hist.*, (3), vii, 1861, pp. 327-330.

From *P. Z. S.*, Dec. 11, 1860.

1861. SCLATER, P. L. Additions and Corrections to the List of the Birds of the Falkland Islands [in *P. Z. S.*, 1860, pp. 382-391]. <*P. Z. S.*, xxxix, 1861, pp. 45-47. (See *P. Z. S.*, 1864, p. 73.)

11 spp. List of 8 spp. of Falkland *Spheniscidae*.

1861. SCLATER, P. L. List of a Collection of Birds made by the late Mr. Osburn in Jamaica, with notes. <*P. Z. S.*, xxxix, 1861, pp. 69-82, pl. xiv and woodc.

92 spp.—*Lalates osburni*, g. sp. n., p. 72, pl. xiv, f. 2; *Siphonorkis*, g. n., p. 77; *Elania fallax*, sp. n., p. 76.

- 1861-62. GUNDLACH, J. Zusätze und Berichtigungen zu den „Beiträgen zur Ornithologie Cuba's“. (In den früheren Jahrgängen dieses Journals.) <*J. f. O.*, ix, 1861, pp. 401-416; x, 1862, pp. 81-96, 177-191.

Reviews a large number of his species, mainly upon information acquired through Baird, Cassin and Lawrence's *Birds of North America*. In using Dr. Gundlach's work, it is essential to consult this article in connection with the previous ones. See 1855-57, GUNDLACH, J.

- 1861-62. SCLATER, P. L. Catalogue | of | a Collection | of | American Birds | belonging to | Philip Lutley Selater, M. A., Ph. D., F. R. S., | Fellow of Corpus Christi College, Oxford: | Secretary to the Zoological Society of London; | Editor of "The Ibis." | [Vignette. Motto.] | London: | N. Trübner and Co., Paternoster Row. | [1861,] 1862. 1 vol. 8vo. pp. xvi, 332, with or without pll. xx.

The collection consisted of about 4,100 specimens of 2,170 species of American *Passeres*, *Fissirostres*, and *Scansores*, 386 being type-specimens. The text consists of a copious synonymy, with enumeration of specimens of each species by locality whence procured, and some little running commentary in footnotes.

Phenicothraupis erythrolaema Bp., p. 83; *Tachyphonus cristatellus*, p. 85; *Paroaria cervicalis*, p. 108; *Chrysomitris uropygialis*, p. 125; *Icterus xanthornus*, p. 131; *Quiscalus equatorialis*, p. 140; *Q. assimilis*, p. 141; *Glyphorhynchus major*, p. 161; *Thamnophilus strenuus*, p. 173; *Pachyrhamphus cinereiventris*, p. 242; *P. dorsalis*, p. 243; *Monotus grainsoni*, p. 261; *Bucco aspensis*, p. 269; *Chelidoptera brasiliensis*, p. 275; *Chloronerpes malherbii*, p. 338; *Conurus propinquus*, p. 346. are spp. n. indicated in footnotes. *Hyetornis*, g. n., p. 321. and probably some other generic names, are here used for the first time without particular notice of the fact. A list of the author's publications from 1850 to 1861 inclusive, 165 in number, is appended.

The completed vol. dates 1862, but some copies of the sheets were distributed as printed: date of printing is on each signature, according to which the first twelve (to p. 192) appeared in 1861, the rest in 1862. The book is found with or without the plates: perfect copies, with the plates, are scarce. These are as follows:—I. *Turdus pinicola*. II. *Cinclus leucocottus*. III. *Campylorhynchus jocosus*. IV. *Thryothorus pleurostictus*. V. *Hylophilus ochraceiceps*.

1861-62. SCLATER, P. L.—Continued.

VI, *Diglossa indigotica*. VII, *Dacnis egregia*. VIII, *D. pulcherrima*. IX, *Calliste cyanotis*. X, *Chlorospingus castaneicollis*. XI, *Embernagra chrysona*. XII, *Sclerurus mexicanus*. XIII, *Synallaxis castanea*. XIV, *Anabazenops subularis*. XV, *Myrmotherula ornata*. XVI, *Formicivora boucardi*. XVII, *Platyrrhynchus coronatus*. XVIII, f. 1, *Oncostoma cinereigularis*; f. 2, *Todirostrum schistaceiceps*. XIX, *Masius coronulatus*. XX, *Chirozophia regina*.

1861-63. LAWRENCE, G. N. Catalogue of a Collection of Birds, made in New Grenada, by James McLeannan, Esq., of New York, with Notes and Descriptions of New Species. Part I. < *Ann. Lyc. Nat. Hist. New York*, vii, 1861, pp. 288-302 (Jan., 1861); Part II, pp. 315-334 (June, 1861); Part III, pp. 461-479 (Feb., 1862); Part IV, viii, pp. 1-13 (May, 1863).

I. *Leucopternis semiplumbeus*, p. 288; *Chlorostilbon assimilis*, p. 292; *Pachyramphus cinnamomeus*, p. 295; *Tachyphonus cassini*, p. 297; *Capito maculicoronatus*, p. 300; *Corethra albigularis*, p. 302. II. *Thryothorus galbairdii*, p. 320; *Th. castaneus*, p. 321; *Hylophilus pusillus*, p. 323. II. *aurantiifrons*, p. 324; *II. viridiflavus*, p. 324; *Myiarchus brunneiceps*, p. 327. III. *Syrnium lineatum*, p. 462; *Trogon concinnus*, p. 463; *Dacnis venusta*, p. 464; *Automolus pallidigularis*, p. 465; *Dendrocincla olivacea*, p. 466; *Dendroornis lachrymosus*, p. 467; *Myrmotherula fulviventris*, p. 468; *Ramphocœvus semitorquatus*, p. 469; *Myrmeciza ferruginea*, p. 470; *Turdus obsolens*, p. 470; *Attila sclateri*, p. 470; *Empidonax griseigularis*, p. 471; *Leptopogon flavovirens*, p. 472. *Psittorius subcorulcus*, p. 475; *Pionus coccineicollaris*, p. 475; *Chloronerpes callopterus*, p. 476. IV. *Petrochelidon albilinea*, p. 2; *Cyphorhinus leucocæci* Scl. MS., p. 5; *Pithys bicolor*, p. 6; *Rhynchocylus flavo-olivaceus*, p. 8; *Lipaugus albogriseus*, p. 9; *Spermophila semicollaris*, p. 10; *Spermophila schistacea*, p. 10, spp. un. 415 spp. (as numbered, but some of the Nos. duplicated) treated, with various critical notes, besides the descriptions of new species. The reception of collections at different times causes the several lists to be successive additions, and gives occasion for some rectifications in later lists of earlier identifications. The sequence of the species is systematic in each of the four lists, but not continuously so throughout the whole.

1861-69. CABANIS, J. Uebersicht der im Berliner Museum befindlichen Vögel von Costa Rica. < *J. f. O.*, viii, 1860, pp. 321-336 (pub. Jan., 1861), 401-416 (pub. May, 1861); ix, 1861, pp. 1-11, 81-96, 241-256; x, 1862, pp. 161-176, 321-336; xvii, 1863, pp. 204-213.

None published till Jan., 1861, though the first two portions appear in the Nos. for Sept.-Nov., 1860. Based on the investigations of Drs. v. Frantzius, Hoffmann, and Ellendorf. This important systematic review of Costa Rican birds is full of critical matter, and gives many new generic and specific names, as follows:—

Pezopetes, p. 415; *Amazospiza*, p. 3; *Callispiza* (pro *Calliste*), p. 87; *Aerocompsa*, p. 88; *Pantherpe*, p. 164; *Ceophloeus*, p. 176, gen. un.

[Jan., 1861] *Catharus frantzii*, *Turdus plebejus*, p. 323; *T. nigrescens*, p. 324; *Rhinamphus ruficeps*, p. 326; *Conopophylis gutturalis*, p. 329; *Triglyphidia callopterus*, p. 331; *Phonasea luteicapilla*, p. 332; *P. gracilis*, p. 333; *P. humilis*, p. 334; *P. gnatho*, p. 335; *P. saturata*, p. 336. [May, 1861] *Polioptila* — (not named), p. 401; *Ptilogonys caudatus*, p. 402; *Cyclorhis subflavescens*, p. 405; *Troglodytes intermedius*, p. 407; *Thryothorus modestus*, p. 409; *Diglossa plumbea*, p. 411; *Melospiza leucotis*, p. 413; *Pezopetes capitalis*, p. 415. [1861] *Amazospiza concolor*, p. 3 (*Cyanospiza minor*, p. 4); *Sporophila leucopsis*, *S. ochropyga* (Licht., Mus. Ber.), p. 5; *S. hoffmanni*, p. 6 (*Lamprosars waczewiczii*, p. 83); *Phoenicothera fuscicauda*, p. 86; *Callispiza frantzii*, p. 87; *Aticora cyanophæa*, p. 92; *Myrmornis hoffmanni*, p. 95; *Thamnophilus punctatus*, p. 241; *Thripobrotus compressus*, p. 243; *Myiarchus nigricapillus*, p. 250. [1862] *Hemithyscla hoffmanni*, p. 163; *Pantherpe insignis*, p. 164; *Chlorolampis saltrini*, p. 164; *Malaconotus costaricensis*, p. 172; *Trogon tenellus*, p. 173; *Chloronerpes uropygialis*, p. 321; *Centurus hoffmanni*, p. 322 (*C. polygrammicus*, p. 326); *Ramphastos approximans*, p. 333, spp. un.

Synopsis of 6 spp. of *Pyrrhocorax*, 4 spp. of *Chloronerpes*, 10 spp. of *Centurus*, and various less formal special criticisms.

[1869] This portion treats of 8 spp. of *Glaucidium* and of various *Raptatores* and other birds. *Asturina polionota*, p. 208; *Ortalida frantzii*, p. 211; *Crypturus modestus*, p. 212, spp. un.

1862. ALBRECHT, R. Zur Ornithologie von Jamaica. Nach Osburn, Sclater und Gosse zusammengestellt. < *J. f. O.*, x, 1862, pp. 192-207.

Compilation from the sources named. 191 spp.

1862. EDITORIAL. [O. Salvin's and F. Godman's Operations in Guatemala.] < *Ibis*, iv, 1862, p. 195.1862. LAWRENCE, G. N. Descriptions of Six New Species of Birds [of Middle America], of the Families Charadriidae [sic], Trochilidae, and Caprimulgidae. < *Ann. Lyc. Nat. Hist. New York*, vii, 1862, pp. 455-460.

Aegialitis tenuirostris, p. 455; *Thalassidroma lucie*, p. 456; *Chlorostilbon insularis*, p. 457; *Trochilus aurigularis*, p. 458; *Sapphirina luminosa*, p. 458; *Stenopsis maculicaudus*, p. 459.

1862. LAWRENCE, G. N. Descriptions of Six New Species of Birds from the Isthmus of Panama. < *Ibis*, iv, 1862, pp. 10-13.
Heleodytes albo-brunneus, p. 10; *Pitangus alborivittatus*, *Myiozetetes granadensis*, p. 11; *Todirostrum olivaceum*, *Tyranniscus parvus*, *Tyrannulus brunneicapillus*, p. 12.
1862. SALLÉ, A., and PARZUDAKI, E. N° 2. Avril 1862. | Catalogue | des | Oiseaux du Mexique | composant | les collections de M. A. Sallé, | Rue Guy-de-la-Brosse, 13, a Paris, | et | de M. E. Parzudaki, Rue du Bouloi, 2. | — | [Paris: Impr. de Mme. Ve. Bouchard-Huzard, Rue de l'Éperon, 5. 1862.] 8vo. pp. 7.
 Ces oiseaux sont en peaux bien préparées et ont été mentionnés par Bonaparte dans les *Comptes Rendus* de l'Institut; ils ont aussi fourni la matière de plusieurs notices publiés par Sclater dans les *P. Z. S.*, 1856-1860.
1862. SALVIN, O. [Letter on Birds from Dueñas, Guatemala.] < *Ibis*, iv, 1862, p. 96.
1862. SCLATER, P. L. On some Birds recently Collected by M. Boucard in Southern Mexico. < *P. Z. S.*, xxx, 1862, pp. 18-20, pl. iii.
 16 spp.—*Harporhynchus ocellatus*, p. 18, pl. iii, sp. n.
1862. SCLATER, P. L. Characters of Nine New Species of Birds received in collections from Bogota. < *P. Z. S.*, xxx, 1862, pp. 109-112, pl. xi.
Turdus ephippialis, p. 109; *Hylophilus ferrugineifrons*, *Chlorospingus oleagineus*, *Philydor panerythrus*, p. 110; *Leptopogon erythrops*, *L. pacilotis*, *Myiobius bellus*, p. 111; *Empidonax pacilurus*, *Urochroma stictoptera* (pl. xi), p. 112.
1862. SCLATER, P. L. Characters of Nine [ately] New Species of Birds received in collections from Bogota. < *Ann. Mag. Nat. Hist.*, (3), x, 1862, pp. 309-313.
 From *P. Z. S.*, March 25, 1862, pp. 109-112, q. v.
- 1862-63. NATTERER, J., ed. PELZELN, A. v. Handschriftliche Notizen [über die Cathartidae und Falconidae Brasilens]. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xii, 1862, pp. 171-192; xiii, 1863, pp. 631-636.
 Notizen über 25 Arten der hier besprochenen Gruppen, als Anhang zu Pelzelns „Die Geier und Falken der Kaiserl. Ornith. Sammlung“, tomm. eitt. pp. 123-192, 585-636.
1863. [BAIRD, S. F.] List of the described Birds of Mexico, Central America, and the West Indies not in the collection of the Smithsonian Institution. January 1, 1863. 8vo, double column, pp. 6.
 Names only.
1863. BATES, H. W. The Naturalist on the River Amazons; a record of adventures, habits of animals, sketches of Brazilian and Indian life, and aspects of Nature under the Equator during eleven years of travel. By Henry Walter Bates. London. Murray, 1863. 2 vols. 8vo. figg.
 Orig. ed., not seen: see 2d ed., 1864. Numerous ornithological passages, and some of the woodcuts. Mr. Bates's collection of birds, upwards of 400 species, is said to have been dispersed with only imperfect record (*P. Z. S.*, 1857, pp. 261-268, q. v.) of names, dates, or localities. Cf. *Ibis*, 1863, pp. 462, 463; *Nat. Hist. Rev.*, 2d ser., iii, 1863, pp. 385-389; *Zoologist*, xxi, 1863, pp. 8537-8554.
1863. EDITOR. The Naturalist on the Amazons. < *Nat. Hist. Rev.*, 2d ser., iii, 1863, pp. 385-389.
 Editorial review of H. W. Bates's work.
1863. LAWRENCE, G. N. Descriptions of Eight New Species of Birds from the Isthmus of Panama. < *Ibis*, v, 1863, pp. 181-184.
Cotyle uropygialis, *Dendornis nana*, *Formicivora virgata*, *Myrmelastes corvinus*, *Myiozetetes marginatus*, *Myiobius atricaudus*, *Platyrhynchus superciliaris*, *Celeus squamatus*.
1863. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Vireonidae and Rallidae. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 106, 107.
Vireo atripennis, *Corethrura guatemalensis*, p. 106; *Aramides axillaris*, p. 107.
1863. NEWMAN, E. Notices of New Books. < *Zoologist*, xxi, 1863, pp. 8537-8554.
 Extended notice of Bates's "The Naturalist on the River Amazons".
1863. PELZELN, A. v. Ueber vier von Natterer in Brasilien gesammelte noch unbeschriebene Vögelarten. < *Verh. k.-k. zool.-bot. Gesellsch. Wien*, xiii, Oct. 10, 1863, pp. 1125-1128.
Sturnium superciliare, p. 1125; *Strix superciliaris*, *Tinamus guttatus*, p. 1126; *T. erythropus*, p. 1127.

1863. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Fauna von Peru. < *Arch. f. Naturg.*, —, 1863, pp. 118 —.
- Spizella striata*; *Chlorospiza erythronota*; *Pitylus albociliaris*; *Sterna lorata*; *S. frobenii*; *S. comata*; *Leistes albiges*; *Recurvirostra andina*; *Dasycephala (Agriornis) albicauda*.—Cf. *Ibis*, 1864, pp. 120, 121. (Seen, but transcript defective; volume missing from set when wanted for revision.)
1863. SALVIN, O. [Letter on his operations in Guatemala; suggests name of *saneti jeromæ* for a perhaps new *Panyptila*.] < *Ibis*, v, 1863, p. 239.
1863. SALVIN, O. Descriptions of Thirteen New Species of Birds discovered in Central America by Frederick Godman and Osbert Salvin. < *P. Z. S.*, xxxi, 1863, pp. 186-192, pll. (Aves) xxiii, xxiv, woodc.
- Thryothorus petenicus*, *Dendroica niveiventris* (pl. xxiv, f. 2), p. 187; *Cardellina versicolor* (pl. xxiv, f. 1), *Vireo pallens*, *V. ockraecus*, *V. semiflavus*, p. 188; *Petrochelidon littorea*, *Spizella pinetorum*, *Ammodramus petenicus*, *Junco alticola*, p. 189; *Chrysomitris atriceps*, *Elanina arenarum*, *Panyptila sancti hieronymi* (pl. xxiii), p. 190 (cf. *Ibis*, 1863, p. 239).
- 1863-64. MARCH, W. T. Notes on the Birds of Jamaica. With Remarks by S. F. Baird. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 150-154, 283-304; xvi, 1864, pp. 62-72.
- An extended commentary on the habits, etc., of numerous species, with some technic by S. F. Baird. *Mimus hillii*, p. 291, sp. n. Cf. *Ibis*, 1864, p. 404.
1864. BATES, H. W. The | Naturalist on the River | Amazons. | A record of adventures, habits of animals, sketches of | Brazilian and Indian life, and aspects of nature under | the Equator, during eleven years of travel. | By Henry Walter Bates. | [Cut.] | Pelopæus Wasp building nest. | Second Edition. | With map and illustrations. | London: | John Murray, Albemarle street. | 1864. | [The Right of Translation is reserved.] | 1 vol. 16mo. pp. iii-xii, 1-463, map, pll., and cuts (30 illusts. in all).
- Orig. ed. 1863, q. v. This work is pleasantly ornithological here and there throughout, and includes figures of several birds. Chap. XII, pp. 388-426, Animals of the neighbourhood of Ega. Birds, pp. 402-412; especially full on *Rhamphastidae*.
1864. CASSIN, J. Notes on some Species of Birds from South America. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 285-288, pll. i-iv.
- Critical; 7 spp.—Pl. I, f. 1, *Calliste larinice*; f. 2, *C. hannahie*, sp. n., p. 287. Pl. II, *Orthogonys olivaceus*. Pl. III, *Pittasoma miehleri*. Pl. IV, *Monasa pallescens*.
1864. LANDBECK, L. Contribuciones a la Ornitología de Chile. < *Anales de la Universidad de Chile*, tom. xxiv, No. 4, April, 1864, pp. 336-348.
- The original Spanish version of the paper by the author and Dr. Philippi in the *Archiv für Naturgeschichte*, 1864, (1), pp. 41-54 (cf. *Zool. Rec.*, ii, p. 81), and of the paper in the same periodical, 1864, (1), pp. 55-62, by the author alone (cf. *Zool. Rec.*, ii, p. 80).—*Dendroica atricapilla* Ldb., p. 336; *Arundinicola citreola* Ldb., p. 338; *Chlorospiza plumbea* Ph. & L., p. 341; *Sycalis aureiventris* Ph. & L., p. 342, spp. nn. Sobre los Azores chilenos, p. 345; *Accipiter chilensis* Ph. & L., p. 346, sp. n.
1864. LANDBECK, L. Beiträge zur Ornithologie Chiles. < *Arch. f. Naturg.*, 1864, (1), pp. 55-62. (Cf. *Arch. f. Nat.*, (1), 1864, pp. 41-54; 1865, pp. 56-106; 1866, pp. 121-132.)
- Dendroica atricapilla*, p. 56; *Arundinicola citreola*, p. 58.
1864. LAWRENCE, G. N. Descriptions of New Species of Birds [of Central and South America] of the Families Tanagridæ, Cuculidæ, and Trochilidæ, with a Note on *Panterpe insignis*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1864, pp. 41-46.
- Saltator fulviventris*, p. 41; *Tachyphonus tibialis*, p. 41; *T. napensis*, p. 42; *Coccyzus julieni*, p. 42; *Trochroa leucura*, p. 43; *Troctite ruficrissa*, p. 44; *Ramphomicron olivaceus*, p. 44.
1864. LAWRENCE, G. N. Catalogue of Birds collected at the Island of Sombbrero, W. I., with Observations by A. A. Julien. < *Ann. Lyc. Nat. Hist. New York*, viii, 1864, pp. 92-106.
- 34 spp., of which only 12 are land-birds; among them are *Vireosylva atripennis* and *Coccyzus julieni*; collector's field-notes; *Vireosylva virginialis*, sp. n. prob., p. 97.

1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Caeribidae, Tanagridae, Icteridae, and Scolopacidae. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 106-108.

Dacnis ultramarina, *Saltator intermedius*, p. 106; *Cassicus vitellinus*, *Ereunetes occidentalis*, p. 107; all but the last from Isthmus of Panama, the *Ereunetes* being from North America.

1864. PHILIPPI, R. A., and LANDBECK, L. Contribuciones a la ornitología de Chile. < *Anales Univ. Chile*, xxv, Set. de 1864, pp. 403-439.

1. *Pteroptochus castaneus*, sp. n., p. 408.—2. De las Alondras Chilenas, pp. 409-418. *Certhiola frobini*, p. 411; *C. isabellina*, p. 412; *Geobamon fasciatus*, p. 415, spp. nn.—3. De las Muscisaxícolas Sud-Americanas, pp. 418-439. *Muscisaxicola cinerea*, p. 422; *M. rubricapilla*, p. 429; *M. flavivertex*, p. 434; *M. nigrifrons*, p. 436, spp. nn.—This paper reappears in *Arch. f. Naturg.*, 1865, q. v.

1864. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Ornithologie Chiles. < *Arch. f. Naturg.*, 1864, (1), pp. 41-54. (Cf. *Arch. f. Nat.*, (1), 1864, pp. 55-62; 1865, pp. 56-106; 1866, pp. 121-132.)

Accipiter chilensis, p. 43; *Chlorospiza plumbea*, p. 47; *Sycalis auriventris*, p. 49.

1864. SALVIN, O. A Fortnight amongst the Sea-birds of British Honduras. < *Ibis*, vi, 1864, pp. 372-387.

Treating of numerous spp. in form of continuous narrative.

1864. SALVIN, O. Descriptions of Seventeen New Species of Birds from Costa Rica. < *P. Z. S.*, xxxii, 1864, pp. 579-586, pll. xxxv-xxxvi.

Catharus gracilirostris, *Thryothorus albobularis*, *T. thoracicus*, *Myiadestes melanops* (pl. xxxv), p. 580; *Lanio leucothorax*, *Chlorospingus pileatus*, p. 581; *Embernagra superciliosa*, *Myrmeciza laemosticta*, *Grallaria dives*, p. 582; *Myiobius capitalis*, *Piprites griseiceps*, *Carpodacus (g. n.) nitidus* (pl. xxxvi), p. 583; *Oreopyra hemileuca*, *O. calolema*, p. 584; *Chalybura melanorrhoea*, p. 585; *Selasphorus flammula*, *Odontophorus melanotis*, p. 586. The author is acquainted with about 300 species of Costa Rican birds, about 65 of which have been described as new, which have not been found beyond the limits of Costa Rica, even in the adjoining province of Veragua.

1864. SCLATER, P. L. On some Additions to the List of the Birds of the Falkland Islands. < *P. Z. S.*, xxxii, 1864, p. 73.

Two species, obtained by Captain Packe, are added to the lists previously drawn up by Dr. Sclater (*P. Z. S.*, 1860, pp. 382-391; 1861, pp. 45-47, q. v.). These are *Egretta leucæ* and *Prioniturus*. The author adds, from the "Ibis" (1861, p. 312), rectifications of the names of two others, viz. *Nycticorax obscurus* for *N. gardeni*, and *Larus glaucotis* for *L. roseiventris*.

1864. SCLATER, P. L. Descriptions of Seven New Species of Birds discovered by the late Dr. John Natterer in Brazil. < *P. Z. S.*, xxxii, 1864, pp. 605-611, pll. xxxvii-xxxix, woodc.

Granatellus pelzelni, p. 606, pl. xxxvii, f. 1, with synopsis of 3 spp.; *Tanagra olivina* Natt., *Spermophila pileata* (Natt.), p. 607, with synopsis of 8 spp.; *Pooecetes oxyrhyncha* (Natt.), p. 608; *Hypothenemus flavescens* (Natt.), *Pteroptochus thoracicus* (pl. xxxiii), p. 609, woodc. on p. 610; *Pipra nattereri*, p. 611, pl. xxxix.

1864. SCLATER, P. L., and SALVIN, O. Notes on a Collection of Birds from the Isthmus of Panama. < *P. Z. S.*, xxxii, 1864, pp. 342-373, pl. xxx.

Two hundred and seventy-two species are included in this list, to which is prefixed a concise notice of previous papers treating of the same subject. Four new species are described, namely, *Cassiculus microrhynchus*, *Myrmeciza immaeulata*, *Camptostoma flaviventris*, and *Conurus ocellatus*, while of all those enumerated a very full synonymy is given, correcting a great many former errors. One species, *Eucometis cassini*, is figured.

1864. TAYLOR, E. C. Five Months in the West Indies. < *Ibis*, vi, 1864, pp. 73-97, 157-173.

Part I, pp. 73-97. Trinidad and Venezuela; sketch of region; 141 spp.; *Tyrannus rostratus* Sch., sp. n. Part II, pp. 157-173. Martinique, Dominica, and Porto Rico; same treatment of subject; 48 spp.; *Certhiola dominicana*, p. 167; *Pitangus taylora* "Sch.", p. 169, spp. nn. Cf. *Ibis*, 1864, p. 405.

1865. CASSIN, J. On some Conirostral Birds from Costa Rica in the Collection of the Smithsonian Institution. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 160-172.

22 spp.—*F. ingillidae* + *Tanagridae*. *Arremon rufidorsalis*, *Buarremon crassirostris*, p. 170; *Euphonia anneæ*, p. 172, spp. nn.

1865. LAWRENCE, G. N. Descriptions of New Species of Birds [of Central and South America] of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.
Buarremon ocai, p. 126; *Philydor rufobrunneus*, p. 127; *Anabazenops lineatus*, p. 127; *Maragarornis rubiginosa*, *M. guttata*, p. 128; *M. brunneicauda* (proband.), p. 130; *Dysithamnus straticiceps*, p. 130; *D. rufiventris*, p. 131; *Myrmotherula albigula*, p. 131; *Myrmeciza stictoptera*, p. 132; *Empidonax flavescens*, p. 133; *Contopus lugubris*, *Eupherusa niveicauda*, p. 134.
1865. LAWRENCE, G. N. Descriptions of Six New Species of Birds from Central America. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 171-174.
Spermophila hicksi, *S. badiiventris*, *S. fortipes*, *Formicivora schisticolor*, *Elainea frantzii*, and *Mitrephorus aurantiventris*.
1865. LAWRENCE, G. N. List of Birds from near David, Chiriqui, New Grenada, collected for the Smithsonian Institution, Washington, by Mr. Fred. Hicks, with Descriptions of New Species. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 174-178.
Spermophila collaris, p. 176; *Elainea chiriquensis*, p. 176; *E. semiflava*, p. 177, spp. nn.—39 spp.
1865. LAWRENCE, G. N. Catalogue of a Collection of Birds in the Museum of the Smithsonian Institution, made by Mr. H. E. Holland at Greytown, Nicaragua, with Descriptions of New Species. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 178-184.
Thryothorus brunneus, p. 178; *Synallaxis nigrifumosa*, p. 180; *Thamnophilus hollandi*, p. 180, spp. nn. 61 spp.
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridæ, Vireonidæ, Tyrannidæ, and Trochilidæ, with a note on *Myiarchus Panamensis*. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 37-39.
Polioptila plumbeiceps, *Myiophilus acuticaudus*, p. 37; *Myiarchus venezuelensis*, *Chalybura aeneicauda*, p. 38; *C. carnioli*, *Panychlora parvirostris*, p. 39—the last two from Costa Rica, the others from Venezuela.
1865. LAWRENCE, G. N. Descriptions of four new Species of Birds from the Isthmus of Panama, New Grenada. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 106-108.
Tachyphonus rubrifrons, *Anthus (Notiocorys) parvus*, p. 106; *Thamnophilus nigricristatus*, p. 107; *Geotrygon albiventer*, p. 108.
1865. LEYBOLD, F. Cuatro especies nuevas de pájaros, descubiertos en la pendiente oriental de la cordillera que separa a la provincia de Santiago de la de Mendoza. < *Anales Univ. Chile*, tomo xxvi, Junio de 1865, pp. 712-713.
Synallaxis crissirostris Landb., p. 713; *Myarchus* (sic) *fasciatus* Landb., p. 714; *Sporofila* (sic) *rufirostri* (sic) [lege *Sporophila rufirostris*] Landb., p. 716; *Phrygilus ornatus* Landb., p. 717.
1865. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Ornithologie von Chile. < *Arch. für Naturg.*, 1865, (1), pp. 56-106. (Vergl. *Arch.*, 1864, (1), pp. 41-54, 55-62; 1866, pp. 121-132.)
 Enthaltend: *Pteroptochos castaneus*, p. 56; Die Lerchen Chiles, pp. 58-73; *Certhilauda cunicularia* Lafr., *C. frobeni*, p. 62; *C. isabellina*, p. 63; *Geobamon fasciata*, p. 63; *Certhilauda nigrofasciata*. Monographie der südamerikanischen Muscisaxicolinen, pp. 74-106; *M. albigrons*, *M. cinerea*, p. 80; *M. maculirostris*, *M. mentalis*, *M. rubricapilla*, p. 90; *M. rufiventris*, *M. flavivertex*, p. 98; *M. nigrifrons*, p. 101; *M. straticiceps*, *M. frontalis*, *M. capitata*; *M. brunnea*, *M. flavinucha*, *M. albilora*, *M. albigmentum*—15 Arten.—Cf. Cab., *J. f. O.*, 1860, p. 249, note; *Sci.*, *Ibis*, 1865, p. 59.
 This paper continues one of similar title by Landbeck in same *Archiv*, 1864, pp. 55-62, *q. v.*; which latter continues one by Philippi and Landbeck, in same *Archiv*, 1864, pp. 41-54, *q. v.*; both these papers of 1864 also appearing in Spanish in *Anal. Univ. Chile*, xxiv, 1864, pp. 336-348, *q. v.*, under LANDBECK, L. It is continued in same *Archiv*, 1866, pp. 121-132, *q. v.*
 The original Spanish version of this paper is in *Anales Univ. Chile*, xxv, 1864, pp. 408-439.
1865. SALVIN, O. The Sea-birds and Waders of the Pacific Coast of Guatemala. < *Ibis*, 2d ser., i, 1865, pp. 187-199.
 Narrative; running commentary on numerous spp.

- 1865-66. GUNDLACH, J. Revista y Catálogo de las Aves Cubanas. < *Poey's Repertorio Físico-Nat. Isla Cuba*, tomo i, 1865-66, pp. 165-180 (entrega 7, Octubre 1865), 221-242 (ent. 8, 9, Noviembre, Diciembre, 1865), 281-302 (entregas 10, 11, Enero, Febrero, 1866), 347-363 (ent. 12, 13, Abril, Junio, 1866), 384-403 (ent. 14, Agosto 1866); Índice de las Aves Cubanas, pp. 414, 415.

Hasta ahora se conocen 257 especies en estado silvestre en esta isla; 119 especies que tambien pertenecen á la América Setentrional; á la América Meridional, 8; á las dos Américas 55; á la América Setentrional y á la Europa, 8; á las dos Américas y á la Europa, 9; otras Antillas, 18; no en otras tierras, 40 (lámina de la distribucion geográfica á la página 168).

La clasificacion es la que se ha usado en el catálogo publicado por el autor en *J. f. O.*, Jahrg. ix, Nr. 53, 1861, SS. 321-349.

Apéndice, pp. 396-402. Catálogo de las Aves introducidas, 4 esp. Cat. de las Aves observadas en el campo, pero probablemente huidas de jaulas, 6 esp. Cat. de las Aves indicadas como pertenecientes á la Ornitol. cubana, pero equivocadas con otras que en efecto se encuentran, 87 esp. Cat. de las Aves indicadas como pertenecientes á la Orn. Cub., pero indudablemente por error, 39 esp. Correcciones de erratas esenciales, p. 403.

Sketch of general character of the avifauna; table of geographical distribution of species. Of 257 species found feral in the island, 40 are peculiar to it, and 119, or more than half the remainder, are common to North America, 8 to South America. Extracts from a letter of Dr. Gundlach relating to Cuban ornithology are also printed in *Journ. f. Orn.*, 1866, pp. 352-354. Cf. *Ibis*, 1867, pp. 377, 378.

1866. BAIRD, S. F. [On dates of original publication of various spp. nn. of Philippi and Landbeck's as between *Anales Univ. Chile* and *Arch. f. Naturg.*] < *Ibis*, 2d ser., ii, 1866, pp. 424, 425.

1866. BENVENUTI, E. Descrizione di quattro nuove specie della famiglia dei Trochilidi provenienti della Nuova Granata e di una nuova specie di Dendroica del Brasile con l'aggiunta di una nota riguardante la Fauna Toscana. < *Annali R. Mus. di Fisica e Storia Nat. di Firenze per il 1865*, nuova serie, i, 1866, pp. 197-209.

Polytmus (Campylopterus) ceciliae, p. 202; *Mellisuga (Panaptilis) judith*, p. 203; *M. (Cyananthus) saleadorii*, p. 204; *M. (Eriocnemis) ridolfii*, p. 205; *Dendroica picciolii*, p. 207.

1866. BRYANT, H. H. Bryant, Vögel von Porto Rico. < *J. f. O.*, xiv, 1866, pp. 181-191. From *Proc. Bost. Soc. N. H.*, Jan., 1866, pp. 248-257.

1866. BRYANT, H. A List of Birds from Porto Rico presented to the Smithsonian Institution, by Messrs. Robert Swift and George Latimer, with descriptions of new Species or Varieties. < *Proc. Bost. Soc. Nat. Hist.*, x, Jan., 1866, pp. 248-257.

41 spp.—*Tyrannus antillarum*, p. 249; *Todus hypochondriacus*, p. 250; *Mimus polyglottus* var. *portoricensis*, p. 251; *Certhiola flaveola* var. *portoricensis*, *Vireo latimeri* (descr. nulla), *Spinidialis portoricensis*, p. 252; *Fringilla zena* var. *portoricensis*, *Icterus dominicensis* var. *portoricensis*, p. 254; *Saurothera vicilloti* var. *rufescens*, p. 256. Cf. *Ibis*, 1867, pp. 129, 130.

1866. GUNDLACH, J. Brietliches von Cuba. < *J. f. O.*, xiv, 1866, pp. 352-354.

Desultory remarks on a few species.

1866. GUYON, —. Des animaux disparus de la Martinique et de la Guadeloupe depuis notre établissement dans ces îles. < *Comptes Rendus de l'Acad. Sci. Paris*, lxxiii, 8 Oct. 1866, pp. 589-593.

Not seen: title from *Zool. Rec.*

1866. LAWRENCE, G. N. Characters of Seven New Species of Birds from Central and South America, with a Note on *Thaumatias chionurus*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 344-350.

Campylorhynchus brevirostris, p. 344; *Automolus rufescens*, p. 345; *Grallaria gigantea*, p. 345; *Grallaria costaricensis*, p. 346; *Phaethornis cassini*, p. 347; *Eupherusa cyreica*, p. 348; *Geotrygon veraguensis*, p. 349.

1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 400-405.

Hirundo aquitorialis, p. 400 (Ecuador); *Thamnophilus leucopygus*, p. 401 (Panama); *Empidonax pectoralis*, p. 402 (Panama); *Heliodoxa henryi*, p. 402 (Costa Rica); *Thaumatias viridicaudus*, p. 404 (Buenaventura); *Amazilia (Pyrrhophena) graysoni*, p. 404 (Tres Marias Islands).

1866. LÉOTAUD, A. Oiseaux | de | L'Île de la Trinidad, | (Antilles), | par A. Léotaud, | Docteur en Médecine de la Faculté de Paris; membre correspondant de la | Société de Médecine de Gand. | — | Ouvrage publié par souscription nationale | — | Port d'Espagne: | Chronicle Publishing Office. | — | 1866. 1 vol. 8vo. 2 p. ll., pp. i-xx, 1 l., 1-560, 1 l., i-viii, i-iv.

A systematic treatise on 294 + 3 species, with synonymy, description, and general remark. Geographical categories are given at pp. ix-xiii. *Cymindis pucherani*, p. 40; *Dendrocolaptes altirostris*, p. 166; *Empidonax cabanisi*, p. 232; *Tachyphonus albispecularis*, p. 303, spp. nn.

The author appears to have labored under the usual disadvantages of those who work away from centres of learning, and his work has a somewhat amateurish air; but it is most creditable to him, considering what difficulties he had to contend with, and becomes a standard work on the special subject.

"L'ornithologie de la Trinidad frappe tout d'abord par le grand nombre d'espèces, 294 [297] qui la composent; . . .

"Ce qui frappe ensuite dans l'ornithologie de la Trinidad c'est qu'elle relève presque entièrement de l'Amérique Méridionale. En effet en jetant un coup d'œil sur les tableaux qui précèdent, . . . on ne trouve pour total que 95 espèces communes à l'une ou à plusieurs des localités désignées dans ces tableaux. Il reste donc déjà, par ce seul fait, 199 espèces propres exclusivement à la Trinidad et par conséquent à l'Amérique Méridionale. . . . Il en resterait 274 propres à la Trinidad et à l'Amérique du Sud.

"Un troisième fait non moins intéressant ressort de la limite qu'atteignent, dans les Antilles, les oiseaux migrateurs partis soit du Sud soit du Nord."

Cf. especially *Ibis*, 1867, pp. 104-108, for critique on the work.

1866. LEYBOLD, F. Beschreibung von vier neuen Vogelarten aus der Argentinischen Provinz Mendoza. <*J. f. O.*, xiii, 1865, pp. 401-406. (Pub. 1866.)

Synallaxis crassirostris, p. 401; *Myiarchus fasciatus*, p. 402; *Sporophila rufirostris*, p. 404; *Phrygilus ornatus*, p. 405. Described by Herr L. Landbeck. See 1865, LEYBOLD, F.

1866. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Fauna Chiles. <*Arch. f. Naturg.*, 1866, (1), pp. 121-132.

Pteroptochos castaneus, p. 121; *Sterna luctuosa*, sp. n., p. 126; *Synallaxis masafueræ* (sic—lege *masafueræ*), sp. n., p. 127; *Numenius microrhynchus*, sp. n., p. 129.

This concludes a series of papers by one of, or both, these authors, of same or similar title, in same *Archiv*, 1864, pp. 41-54, 55-64; 1865, pp. 56-106.

1866. SALVIN, O. A further Contribution to the Ornithology of Guatemala. <*Ibis*, 2d ser., ii, 1866, pp. 188-206.

81 spp., briefly annotated. The paper continues under a subheading "Corrections to the former Papers on the Ornithology of Central Guatemala"—which must not be overlooked in using them. The papers referred to are in *Ibis*, i, 1859; ii, 1860; iii, 1861. *Chamaespiza torquata* S. & S., *Ibis*, 1860, 274, is *Pyrgisoma leucote*.

1866. SALVIN, O. Descriptions of Eight New Species of Birds from Veragua. <*P. Z. S.*, xxxiv, 1866, pp. 67-76, pl. vii, viii.

Catharus griseiceps, p. 68, with synopsis of 10 spp.: *Microcerculus lusciniæ*, p. 69, with synopsis of 5 spp.; *Euphonia rufivertex*, p. 71, pl. vii; *Guarrinon mesozanthus*, *Philydor fuscipennis*, *Dysithamnus puncticeps*, p. 72; *Formicarius rupepectus*, p. 73, pl. viii, with synopsis of 7 spp.; *Trogon clathratus*, p. 75.

1866. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. With Notes on their habits; by Prof. W. Nation, of Lima, C. M. Z. S. [Part I.] <*P. Z. S.*, xxxiv, 1866, pp. 96-100, pl. xi.

23 spp.—*Geositta crassirostris*, p. 98; *Myiobius nationi*, p. 99, pl. xi, f. 1, spp. nn. The other figure of the same plate represents *M. pulcher*.—Continued, *P. Z. S.*, 1867, pp. 340-344.

1866. SCLATER, P. L., and SALVIN, O. Catalogue of Birds collected by Mr. E. Bartlett on the River Ucayali, Eastern Peru, with Notes and Descriptions. <*P. Z. S.*, xxxiv, 1866, pp. 175-201, pl. xviii.

The collection contained about 700 specimens, of 252 spp.—*Leucippus chlorocereus* "Gould", p. 194; *Thaumantias bartletti* Gould, p. 194; *Hypocnemis melanura*, p. 186; *H. hemileuca*, p. 187; *Synallaxis terricolor*, p. 183; *S. rufipicula*, p. 184; *Metopothrix* (g. n.) *aurantiacus*, p. 190, pl. xviii; *Serpophaga hypoleuca*, p. 188; *Spermophila ocellata*, p. 181; *Muscisaxicola fluvialilis*, p. 187; *Furnarius torridus*, p. 183, spp. nn.

1866. SCLATER, P. L., and SALVIN, O. On some Additions to the Catalogue of Birds collected by Mr. E. Bartlett on the River Ucayali. <*P. Z. S.*, xxxiv, 1866, pp. 566, 567.

20 species in addition to those of the former list are noticed; none new.

1866-69. SCLATER, P. L., and SALVIN, O. Exotic Ornithology, | containing | Figures and Descriptions of New or Rare Species | of | American Birds, | by | Philip Lutley Sclater, M. A., Ph. D., F. R. S., | Secretary to the Zoological Society of London, | late Fellow of Corpus Christi College, Oxford; | and | Osbert Salvín, M. A., F. L. S., F. Z. S. | — | London: | Bernard Quaritch, 15 Piccadilly. | [1866 to] 1869. 1 vol. Folio. pp. i-vi, 1-204, pl. i-e. (Published in 13 parts.)

Exact dates of publication are:—Part I, pl. i-viii, Oct. 1, 1866. II, pl. ix-xvi, Feb. 1, 1867. III, pl. xvii-xxiv, May 1, 1867. IV, pl. xxv-xxxii, Aug. 1, 1867. V, pl. xxxiii-xl, Jan. 1, 1868. VI, pl. xli-xlviii, Apr. 1, 1868. VII, pl. xlix-lvi, July 1, 1868. VIII, pl. lvii-lxiv, Aug. 1, 1868. IX, pl. lxx-lxxii, Dec. 1, 1868. X, pl. lxxiii-lxxx, Jan. 1, 1869. XI, pl. lxxxi-lxxxviii, June 1, 1869. XII, pl. lxxxix-xcvi, Aug. 1, 1869. XIII, pl. xcvi-c. Nov. 1, 1869. The last part contains permanent title, preface, contents, and errata (pp. i-vi), and index (pp. 201-204). The temporary cover-title is a little different from the permanent one.

Cf. *Ibis*, 1867, pp. 123, 372; 1868, pp. 335-337; 1869, pp. 109, 110; 1870, 262-264; *Zool. Rec.*, iii, p. 48; iv, p. 51; v, p. 38; vi, p. 60.

The plates are all by Mr. Smit; they are very beautiful. The whole number of species figured is 104, referred to 51 genera. In most cases, a systematic list of the other American species of the same genus is appended to the final illustration of each, thereby enlarging the scope and greatly increasing the value of the work. Each of the species is systematically treated with synonymy, diagnosis, and critical and biographical matter. The authors are the highest authorities in neotropical ornithology, and this work is a monument of erudition, industry, and artistic excellence.

Pl. 1, *Lipaugus unirufus*. Pl. 2, *L. subalaris*. Pl. 3, *L. rufescens*. Pl. 4, *Furnarius torridus*. Pl. 5, *Xipholena atropurpurea*. Pl. 6, *Ptilogonys caudatus*. Pl. 7, *Vireolanus melitophrys*. Pl. 8, *V. pulchellus*.—Pl. 9, *Phlogopsis muelcannani*. Pl. 10, *Cinlocerthia ruficauda*. Pl. 11, *C. macrorhyncha*. Pl. 12, *C. gutturalis*. Pl. 13, *Accipiter ventralis*. Pl. 14, *A. chionogaster*. Pl. 15, *Rupicola sanguinolenta*. Pl. 16, *Porzana rubra*.—Pl. 17, *Accipiter erythrocnemis*. Pl. 18, *A. castanilius*. Pl. 19, *Cichlopsis leucogonys*. Pl. 20, *Nyctibius bracteatus*. Pl. 21, *Cyphorinus lawrencii*. Pl. 22, *C. phaeocephalus*. Pl. 23, f. 1, *Thryothorus solstitialis*; f. 2, *T. brunneicollis*. Pl. 24, *Icterus pustulatus*.—Pl. 25, *Myiadestes obscurus*. Pl. 26, *M. unicolor*. Pl. 27, *M. ralloides*. Pl. 28, *M. elizabethæ*. Pl. 29, *Hylactes castaneus*. Pl. 30, *Oedinemus supercilii*. Pl. 31, *Lanio aurantius*. Pl. 32, *L. leucothorax*. Pl. 33, *Tachyphonus phoeniceus*. Pl. 34, *T. delatritii*. Pl. 35, *Xiphococcytes emigrans*. Pl. 36, *X. major*. Pl. 37, *Accipiter chilensis*.—Pl. 38, *Leucopternis supercilii*. Pl. 39, *Geotrygon "chiriquensis"* (= *albifacies*, see *Exot. Ornith.*, viii, 1868, p. 123). Pl. 40, *G. bourcierii*.—Pl. 41, f. 1, *Chlorophonia frontalis*; f. 2, *C. longipennis*. Pl. 42, *C. occipitalis*. Pl. 43, *Melanotis hypoleucus*. Pl. 44, *Tinamus robustus*. Pl. 45, *Crypturus sallei* (dege sallvi). Pl. 46, *C. boucardi*. Pl. 47, *C. meserythrus*. Pl. 48, *Tigrisoma cabanisi*.—Pl. 49, *Leucopternis palliata*. Pl. 50, *Scops flammeola*. Pl. 51, *S. barbarus*. Pl. 52, *Chaetura semicollaris*. Pl. 53, *Porzana hanzwelleri*. Pl. 54, *P. melanophaea*. Pl. 55, *P. albigularis*. Pl. 56, *P. leucopyrrha*.—Pl. 57, *Fulica ardesiaca*. Pl. 58, *F. armillata*. Pl. 59, *F. leucopyga*. Pl. 60, *F. leucoptera*. Pl. 61, *Leucopternis semiplumbea*. Pl. 62, *Geotrygon chiriquensis* (verus; vide suprâ). Pl. 63, *Cardinalis phoeniceus*. Pl. 64, f. 1, *Pyrgisoma rubricatum*; f. 2, *P. leucote*.—Pl. 65, f. 1, *P. cabanisi*; f. 2, *P. kieneri*. Pl. 66, *Oxyrhamphus frater*. Pl. 67, *Thryorhina schomburgki*. Pl. 68, *Chlorophonia calophrys*. Pl. 69, *Accipiter bicolor*. Pl. 70, *Turdus gigas*. Pl. 71, *T. albicollis*. Pl. 72, *T. leucomelas*.—Pl. 73, *T. eropocpus*. Pl. 74, *T. albiventris*. Pl. 75, *T. phaeopygus*. Pl. 76, *T. gymnoththalmus*. Pl. 77, *Bucco striolatus*. Pl. 78, *Porzana castaneiceps*. Pl. 79, *Attagis chimborazensis*. Pl. 80, *Formicivora strigilata*.—Pl. 81, *Conurus hoffmanni*. Pl. 82, *Rollus antarcticus*. Pl. 83, *R. semiplumbeus*. Pl. 84, *Pitylus humeralis*. Pl. 85, *Accipiter guttatus*. Pl. 86, *Ampelion arcuatus*. Pl. 87, *Asturina nattereri*. Pl. 88, *A. ruficauda*.—Pl. 89, *A. pucherani*. Pl. 90, *A. plagiata*. Pl. 91, *Botaurus pennatus*. Pl. 92, *Tigrisoma fasciatum*. Pl. 93, *Thripadectes flammulatus*. Pl. 94, *Icterus abeillei*. Pl. 95, *Centropelma micropteron*. Pl. 96, *Centrites oreus*.—Pl. 97, *Gallinago imperialis*. Pl. 98, *G. nobilis*. Pl. 99, *Querquedula puma*. Pl. 100, *Merganetta turneri*.

1867. BRYANT, H. A List of the Birds of St. Domingo, with Descriptions of some New Species or Varieties. < *Proc. Boston Soc. Nat. Hist.* for Dec. 5, 1866, xi, pub. 1867, pp. 89-98.

79 spp., in part annotated. *Tyrannula stolidus* var. *dominicensis*, p. 90; *T. caribbea* var. *hispaniolensis*, *Mimus polyglottus* var. *dominicus*, *Chrysomitris dominicensis*, p. 93, fig. p. 94, spp. n. *Kalochelidon*, p. 95, gen. n. Cf. *Ibis*, 1868, p. 229.

1867. LAWRENCE, G. N. Descriptions of New Species of American Birds. < *Ann. Lyc. Nat. Hist. New York*, viii, 1867, pp. 466-482.

Euphonia purpurea, p. 466; *Euarremon flavovirens*, p. 467; *Pytilus (Caryothraustes) humeralis*, p. 467; *Philydor virgatus*, p. 468; *Thamnophilus tenuifasciatus*, p. 468; *Thamnophilus nigres-*

1867. LAWRENCE, G. N.—Continued.

cens, p. 469; *Myiodynastes superciliaris*, p. 470; *Aglaeactis olivaceocauda*, p. 470; *Helimaster spectabilis*, p. 472; *Passerculus guttatus*, p. 473; *Zonotrichia melanotis*, p. 473; *Coturniculus mexicanus*, p. 474; *Hadrostromus albiventris*, p. 475; *Ortyx graysoni*, p. 476; *Saltator plumbeiceps* Bd. MS., p. 477; *Phœucticus tibialis* Bd. MS., p. 478; *Spermophila atriceps* Bd. MS., p. 479; *Pyrgisoma xantusii* Bd. MS., p. 480; *Dendronis mentalis* Bd. MS., p. 481. Cf. *Ibis*, 1868, pp. 114, 115.

1867. LAWRENCE, G. N. Notes on certain Birds from New Grenada, with descriptions of New Species. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 94, 95.

Tachyphonus propinquus, *Phœnicotrâuipis vinacea*, *Leptoptila cassini*, p. 94, spp. nn. Cf. *Ibis*, 1868, p. 230.

1867. LAWRENCE, G. N. Descriptions of Five New Species of Central American Birds. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 232-234.

Glaucis æneus, *Eupherusa nigriventris*, p. 232; *Thaumatias lucie*, *Dromococcyx rufigularis*, p. 233; *Aramides albiventris*, p. 234. Cf. *Ibis*, 1868, pp. 114 and 485.

1867. PHILIPPI, R. A. Comentario crítico sobre los animales descritos por Molina. < *Anales Univ. Chile*, xxix, Oct., 1867, pp. 775-802.

"Vienen ahora las 'aves'", pp. 788-795, Nos. 104-170.

1867. SALVIN, O. On some Collections of Birds from Veragua. < *P. Z. S.*, xxxv, 1867, pp. 129-161, pl. (Aves) xiv.

220 spp., less 4. Avifaunal characters of the region. Pl. xiv, *Buarremon crassirostris*.—*Chamæpetes unicolor*, p. 159; *Odontophorus leucolemus*, p. 161, spp. nn.

1867. SCLATER, P. L. Remarks on Dr. Léotaud's 'Birds of Trinidad.' < *Ibis*, 2d ser., iii, 1867, pp. 104-108.

Criticism of the work as a whole, and of names of various species in particular.

1867. SCLATER, P. L. [Extracts from letters received from Mr. E. Bartlett, relating to Peruvian Birds.] < *P. Z. S.*, xxxv, 1867, p. 2.1867. SCLATER, P. L. Notes on the Birds of Chili. < *P. Z. S.*, xxxv, 1867, pp. 319-340.

Abstract of bibliography. Running commentary on the birds, under heads of the several families; nominal list of 269 species. The article is the most complete summary of the subject extant. It has special reference to the species described by Philippi and Landbeck. Cf. *Naumammia*, 1853, pp. 207-222; *Zool. Rec.*, ii, pp. 80, 81, and iii, p. 64.

1867. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. With Notes on their Habits; by Prof. Nation, of Lima.—(Part II.) < *P. Z. S.*, xxxv, 1867, pp. 340-344, pll. xx, xxi.

Continued from *P. Z. S.*, 1866, p. 100.—12 spp.—*Poospiza bonapartii*, p. 341, pl. xx; *Porzana erythrops*, p. 343, pl. xxi, spp. nn.—Continued, *P. Z. S.*, 1869, pp. 146-148.

1867. SCLATER, P. L., and SALVIN, O. List of Birds collected on the Blewfields River, Mosquito Coast, by Mr. Henry Wickham. < *P. Z. S.*, xxxv, 1867, pp. 278-280.

39 spp.; none new.

1867. SCLATER, P. L., and SALVIN, O. List of Birds collected by Mr. Wallace on the Lower Amazons and Rio Negro. < *P. Z. S.*, xxxv, 1867, pp. 566-596, pll. xxix, xxx.

282 spp., annotated; with several synopses of different groups, and summary comparisons of local faunas. *Hylophilus rubrifrons*, p. 569, pl. xxx, f. 1; *H. semicinerus*, p. 570, pl. xxx, f. 2; *Heteropelma wallacii*, p. 579. Pl. xxix is *Turdus phaeopygus*.

1867. SCLATER, P. L., and SALVIN, O. Catalogue of Birds collected by Mr. E. Bartlett on the River Huallaga, Eastern Peru, with Notes and Descriptions of New Species. < *P. Z. S.*, xxxv, 1867, pp. 748-759, pl. xxxiv.

Tabular list of 205 spp., followed by critical commentary on many of them. *Dendrocolaptes radiolatus* Sel. MS., p. 753; *Thamnophilus murinus* Natt. MS., *Myrnotherula cinereiventris* Sel. MS., p. 756; *Chaetura brachyœerea* (pl. xxxiv), *Celeus citreopygius* Bp. MS., p. 758, spp. nn.

1867. SCLATER, P. L., and SALVIN, O. List of Birds collected at Pebas, Upper Amazon, by Mr. John Hauxwell, with Notes and Descriptions of New Species. < *P. Z. S.*, xxxv, 1867, pp. 977-981, pl. xlv.

135 spp.—*Oryzoborus melas*, p. 979; *Perenostola fortis*, p. 980, pl. xlv, and fig. xylog.; *Tyranniscus gracilipes*, *Porzana fasciata*, p. 981, spp. nn.

1837. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. H. Whiteley.—Part I. < *P. Z. S.*, xxxv, 1837, pp. 982-991, pl. xlvii.
53 spp., annotated—Continued, *P. Z. S.*, 1863, pp. 173-178.
- 1867-69. EULER, C. Beiträge zur Naturgeschichte der Vögel Brasiliens. < *J. f. O.*, xv, 1867, pp. 177-198, 217-233, 399-420; xvi, 1868, pp. 182-194; xvii, 1869, pp. 241-255.
Cf. *Zool. Rec.*, 1867, p. 68; 1868, p. 55; 1869, p. 49.
1868. AXON. A strange [apparently fabulous] Bird. < *Zoologist*, 2d ser., iii, 1868, p. 1295.
From a Copiapo (Chili) paper.
1868. BELL, A. S. [Allusions to some of the] Wild-fowl of Jamaica. < *Zoologist*, 2d ser., iii, 1868, p. 1433.
1868. BURMEISTER, H. Contributions to the Ornithology of the Argentine Republic and Adjacent Lands. Part I. < *P. Z. S.*, xxxvi, 1868, pp. 633-636.
Since the publication of the author's "Systematisches Verzeichniss der in den La Plata-Staaten beobachteten Vögelarten" (*Journ. für Orn.*, 1860, pp. 241-268), and his "Reise durch die La-Plata-Staaten" (1861), he lived five years in Buenos Ayres, and, in studying the ornithology of the district, observed some new species, three of which (*Cymindis boliviensis*, p. 633; *Pachyrhamphus albinucha*, p. 635; *Synallaxis sulphurifera*, p. 636) are now described, and notes on 11 others are given.—Title and part of the comment from *Zool. Rec.*
1868. COPE, E. D. The Birds of Palestine and Panama compared. < *American Naturalist*, ii, No. 7, Sept., 1868, pp. 351-359.
Founded on the researches of Messrs. Tristram, Sclater, and Salvin.
1868. CUNNINGHAM, R. O. [Letters on South American Ornithology.] < *Ibis*, 2d ser., iv, 1868, pp. 122-129, 486-495.
His first letter gives a general account of the birds met with on his voyage to Patagonia. His second letter describes briefly the localities visited, mentioning their chief ornithological features. (Another letter follows. *Ibis*, 1869, pp. 232-234.)
1868. GIEBEL, C. Einige neue und wenig bekannte argentinische Vögel. < *Zeitschr. für die gesammten Naturwissenschaften*, 1868, pp. 11-17.
Notes on 4 species, 2 of which, *Furnarius tricolor* "Burm.", p. 11, and *Campylorhynchus pallidus* "Burm.", p. 13, appear to be described as new.—Not seen.
1868. PHILIPPI, R. A. Catálogo de las aves chilenas existentes en el Museo Nacional de Santiago, formado por su director don Rodolfo Armando Philippi. < *Anal. Univ. Chile*, tomo xxxi, nº 2º, Agosto de 1868, pp. 241-335.
Prólogo, p. 241. Catálogo, pp. 242-292, el orden i la nomenclatura adoptada en la obra de Gay; 229 especies; las especies descritas como chilenas que faltan en el Museo con la nota † (89).—Aves chilenas descritas en la obra de Gay que faltan en el Museo ó que deben borrarse, pp. 292-294, 86 esp.—Aves chilenas no descritas en la obra de Gay, pero existentes en el Museo, pp. 295-298, 55 esp.—El cuadro siguientes, pp. 298-319, indica enales de las aves chilenas se hallan aun en los países limítrofes i otros países, i enales son peculiares a la República Chilena.—Apéndices: I, pp. 319, 320. Lista de algunos pájaros peruanos en el Museo. II, p. 320. Pájaros nuevos mendocinos descritos por Landbeck. III, pp. 320-335. Observaciones críticas sobre algunas especies chilenas mencionas por diversos autores: 1. Hartl, *Naum.*, p. 220 i siguientes; 2. Beit. zur Zool. gesammelt auf einer Reise um die Welt von Dr. F. I. F. Meyen, vierte Abth.; 3. Burmeister, *Reise durch die La Plata-Staaten*; 4. Bibra, *Viaje*; 5. T. R. Peale, *U. S. Exploring Expedition*; 6. Tschudi, *Beit. zur geogr. Verbreit. der Meeresvögel u. s. w.*; 7. Hombon i Jaquinot; 8. Cassin, *U. S. Naval Astron. Exped.*; 9. Sclater, *Notes on the Birds of Chile*, *P. Z. S.*, March 25, 1867, p. 319 i sig.
"Quedarían, pues, solo 193, nuestro catálogo de las especies chilenas existentes en el Museo abraza 229 especies ó si se quiere eliminar . . . siempre 224, i faltan al Museo una docena de aves de alta mar, que conocemos ser chilenas, de modo que el número de las aves chilenas se elevaria a unas 236 ó 240."
1868. PHILIPPI, R. A. [Letter relating to certain Birds of Chili.] < *P. Z. S.*, xxxvi, 1868, pp. 531, 532.
Contains a few corrections of previous paper (*P. Z. S.*, 1867, pp. 319, 320, notes), the principal one referring to two species of *Anatide*.

1863. SALVADORI, T. Intorno ad alcuni Uccelli di Costa Rica. < *Atti della R. Accad. delle Sci. di Torino*, iv, Dec., 1863, pp. 170-185, pl.
23 spp.; none new. *Trospatha*, g. n., p. 179. The plate represents *Phœneticus tibialis*. Cf. *Zool. Rec.*, iv, p. 107; *Ibis*, 1869, pp. 222, 223.
1863. SCLATER, P. L. [Report on Lecompte's Expedition to the Falkland Islands.] < *P. Z. S.*, 1863, p. 526.
1863. SCLATER, P. L., and SALVIN, O. List of Birds collected in the Straits of Magellan by Dr. Cunningham, with remarks on the Patagonian Avifauna. < *Ibis*, 2d ser., iv, 1863, pp. 183-189.
Briefly bibliographical. List of Patagonian *Passeres* (30 spp.); 61 specimens, referable to 44 spp.—Continued, *Ibis*, 1869, pp. 283-286.
1863. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidae, Strigidae, and Columbidae. < *P. Z. S.*, xxxvi, 1863, pp. 53-60, pl. v, woodc.
Dendrocincla ruficeps, p. 54; *Dendrocolaptes puncticollis*, p. 54, pl. v, woodc.; synopses of these genera; *Syrnium fulvescens*, p. 58; *Scops barbarus*, p. 56, woodc.; synopsis of 7 spp. of *Scops*; *Leptoptila plumbeiceps*, *L. cerviniventris*, p. 59, with synopsis of 8 spp. of the genus.
1863. SCLATER, P. L., and SALVIN, O. List of Birds collected at Conchitas, Argentine Republic, by Mr. William H. Hudson. < *P. Z. S.*, xxxvi, 1863, pp. 137-146.
96 spp. briefly annotated; 14 additional to those of Burmeister's 'Reise', q. v., 1856.
1863. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering.—Part I. < *P. Z. S.*, xxxvi, 1863, pp. 165-172, pl. xiii, woodc.
126 spp., in tabular form showing geographical distribution, and critical commentary on some of them. *Basileuterus griseiceps*, p. 170, *Euscarthmus impiger*, p. 171, woodc. pl. xiii, f. 1; *Sublegatus* (g. n.) *glaber*, p. 171, pl. xiii, f. 2, woodc., p. 172, spp. nn.
1863. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. H. Whitely. Part II. < *P. Z. S.*, xxxvi, 1863, pp. 173-178, woodc.
Continued from *P. Z. S.*, 1867, pp. 982-991.—A list of a collection made in the Tambo Valley, including 28 spp., none of which are new; but valuable critical notes are appended, and woodcuts of the heads of 2 spp., belonging to *Tanagridæ* (?) and *Rallidæ* (*Fulica chilensis*), are introduced.—Continued, *P. Z. S.*, 1868, pp. 568-570.
1863. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American Birds of the Families Fringillidae, Oxyrhamphidae, Bucconidae, and Strigidae. < *P. Z. S.*, xxxvi, 1863, pp. 322-329, pl. xxix.
Peucea notosticta, sp. n., p. 322, with list of 5 spp. *Zonotrichia quinquestrata*, p. 323, sp. n. List of 5 spp. of *Pyrigisoma*. *Oxyrhamphus frater*, p. 326, sp. n. *Monasa grandior*, p. 327, sp. n. *Gymnoglaux lawrencii*, p. 328, pl. xxix, with synonymy of 2 spp. of this genus.
1863. SCLATER, P. L., and SALVIN, O. Descriptions of Four New Species of Birds from Veragua. < *P. Z. S.*, xxxvi, 1863, pp. 388-390.
Pyrranga testacea, p. 388; *Chlorospingus hypophæus*, *Leptotriccus superciliaris*, *Eupherusa egregia*, p. 389.
1863. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. H. Whitely. Part III. < *P. Z. S.*, xxxvi, 1863, pp. 568-570.
Continued from *P. Z. S.*, 1863, pp. 173-178.—A list of a small collection of 11 spp. made near Arequipa; with a nominal list of 83 spp. procured by Mr. Whitely in Western Peru.—Continued, *P. Z. S.*, 1869, pp. 151-159.
1863. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering.—Part II. < *P. Z. S.*, xxxvi, 1863, pp. 626-632.
Nominal list of 99 spp., with commentary on 13 of them. *Myiarchus erythrocerus*, p. 631; *Heteropelma stenorhynchum*, p. 632, spp. nn.
- 1863-69. LAWRENCE, G. N. A Catalogue of the Birds found in Costa Rica. < *Ann. Lyc. Nat. Hist. New York*, ix, 1863, pp. 86-149 (pp. 86-141, Apr., 1863; pp. 141 bis-149, Feb., 1869).

Based upon the collections received by the Smithsonian Institution, supplemented by information received from other sources, and includes notices of 474 spp. of land-birds, of which 12 (belonging to *Trogonidae*, *Formicariidae*, *Dendrocolaptidae*, *Tyrannidae*, *Mniotiltidae*, *Tanagridae*, *Columbidae*, and *Tinamidae*) are described as new, while a thirteenth (*Trochilidae*) may be so. In the introductory remarks, the author gives a summary of previous writings

1868-69. LAWRENCE, G. N.—Continued.

on Costa Rican ornithology, and three lists, the first two of species noted from Chiriqui and Veragua, respectively, which may be found in Costa Rica, and the third of northern species obtained in Panama, but not yet observed in the country of which the paper treats. The remainder of the paper is devoted to the catalogue, which, in the great majority of cases, gives only the name of the species and of the locality where it has been obtained. (Cf. *Ibis*, 1869, pp. 110, 222, and especially *O. Salvin. Ibis*, 1869, pp. 310-319, for extended and elaborate criticism.)—(Above paragraph mostly from *Zool. Rec.*, 1868, p. 55.)

Basileuterus melanotis, p. 95; *Phenicothraupis carinioli*, p. 100; *Synallaxis rufigenis*, p. 105; *Myrmotherula modesta*, p. 108; *Mionectes olivaceus*, p. 111; *Rhynchoeyclus griseimentalis*, p. 112; *Trogon bairdii*, p. 119; *Chloroenas subvinacea*, p. 135; *Geothryon costaricensis*, *C. caeruleiceps*, p. 136; *Leptoptila riottei*, p. 137; *Tinamus frantzii*, p. 140; *Pogonotriccus? zeladoni*, p. 144, spp. nn. 511 spp. Much critical commentary.

1868-70. PELZELN, A. V. Zur Ornithologie Brasiliens. Resultate von Johann Natterers Reisen in den Jahren 1817 bis 1835. Dargestellt von August von Pelzel. Custos am k. k. zoologischen Cabinet in Wien, Mitglied der kais. Leopold. Carol. Academie der Naturforscher, Ehrenmitglied der British Ornithologist's Union u. s. w. — Wien. Druck und Verlag von A. Pichler's Witwe & Sohn. 1871 [i. e. 1868-1870]. 1 vol. 8vo. 4 p. ll., pp. i-lx, 1-462, 9 ll. (Zusätze und Index), 2 maps.

Published in 4 parts, at different dates, as follows: I. Abth., 1868, map, 3 p. ll., pp. i-lx, 1-68. II. Abth., 1869, pp. 69-188. III. Abth., 1870, pp. 189-390. IV. Abth., "1871" [i. e. 1870], pp. 391-462, 9 ll., general title-page, map.—The date of the concluding part is ostensibly in question; for the date on the cover-title of the part itself is 1871, but the back of the general title-page of the work gives it as 1870, and a note on the cover-title of Part III announces: "Die vierte (Schluss-) Abtheilung erscheint Anfangs des Jahres 1870." The actual date is 1870.

Inhalt:—ABTH. I, 1868. Vorwort, 2 p. ll. Itinerarium von Natterer's Reisen in Brasilien, von 1817 bis 1835, pp. i-xx. Tabellarische Uebersicht der von Natterer in Brasilien gesammelten Arten nach ihrer Verbreitung in den wichtigsten Faunengebieten, pp. xxi-lx (1238 spp.). *Accipitres* und *Passeres Fissirostres et Tenuirostres*, pp. 1-49 (78 + 99 + 177 = 354 spp.). Beschreibung neuer oder wenig gekannter Arten, pp. 49-68. *Stenopsis candicans* N., p. 49; *S. langsdorffi* P., p. 52; *S. platyura* N., p. 53 (Diagnosen dieser drei Arten finden sich in den *P. Z. S.*, 1866, pp. 588, 589); *Antrostomus cortapani* N., p. 53; *Chaetura saloteri* P., p. 56; *Thalurania longicauda* N., p. 57; *Cephalolepis beskii* P., p. 58; *Sittasomus stictolaemus* P., p. 59; *Dendrocincla loquax* N., *D. minor* P., p. 60; *Dendrocyllaptes pallascens* P., p. 61; *D. concolor* P., p. 62; *Picolaptes fuscicapillus* P., *Dendroornis elegans* P., p. 63; *Dendroplex similis* N., p. 64; *Cyphorinus (Microcerulus) cinctus* N., p. 65; *Thryothorus minor* P., p. 66; *Odontorhynchus* (Pelz., g. n.) *cinereus* N., p. 67.—ABTH. II, 1869. *Passeres Dentirostres*, pp. 69-136 (371 spp.). Beschreibung neuer oder wenig gekannter Arten, pp. 136-188. *Hylophilus hypoxanthus* P., p. 136; *Basileuterus leucophrys* N., *Cyclorhis wiedii* P., p. 137; *Thamnophilus unduliger* P., p. 139; *T. borbae* P., p. 140; *T. tschudii* P., *T. moestus* P., p. 141; *T. cinereoniger* P., p. 143; *T. sticturus* P., p. 144; *T. cinereiceps* P., *T. cinereinucha* P., p. 145; *T. stictocephalus* P., *T. punctuliger* P., p. 146; *T. polionotus* P., *T. saturninus* P., p. 147; *T. incertus* P., *Dysithamnus* P., p. 149; *Heteroschoenus atricapillus* N., *H. longirostris* N., p. 150; *H. dorsimaculatus* N., p. 151; *Myrmotherula assimilis* P., p. 152; *M. luctuosa* (Temm. msc.), *M. longipennis* P., p. 153; *Formicivora melanogaster* N., p. 154; *F. leucophthalma* P., *F. ruficauda* N., p. 155; *F. bicolor* N., p. 156; *Terenura melanoleuca* N., *Rhamphocena collaris* N., p. 157; *Cercomacra approximans* P., *C. ruficauda* P., p. 158; *Perenostola minor* P., p. 159; *P. leucostigma* (Natt. et Latres. msc.), p. 160; *Sclerurus rufigularis* N., *Heteroenemis albiventris* P., p. 161; *Myrmecisa* [sic] *squamosa* N., p. 162; *Hypocnemis flavescens* (N.) ScL., p. 163; *H. maculicauda* P., p. 164; *H. margaritifera* P., p. 165; *Pithys cristata* N., p. 166; *P. griseiventris* P., *Phlogopsis erythroptera* (Gould), p. 167; *Grallaria imperator* N., *Attila validus* P., p. 169; *A. rufigularis* P., p. 170; *A. phoeniceus* N., p. 171; *Todirostrum guttatum* P., p. 172; *Euscarthmus zosterops* P., *E. latirostris* P., *E. senex* P., p. 173; *E. inornatus* P., *Hapalocercus rufomarginatus* P., p. 174; *Phyllomyias subviridis* N., p. 175; *P. lividus* (Temm. msc.), *Elainea spectabilis* P., p. 176; *E. cristata* P., *E. albirivertex* P., p. 177; *E. parvirostris* [sic—lege *rostris*] P., p. 178; *E. elegans* P., *E. ruficeps* P., p. 179; *E. littoralis* N., *E. cinerea* P., p. 180; *Rhynchoeyclus assimilis* P., *Pitangus parvus* P., *Empidonectes pocilloceus* P., p. 181; *Myiarchus cantans* P., *M. tricolor* N., p. 182; *M. gracilirostris* P., *Tityra (Erator) leucura* N., p. 183; *Lipaugus virussii* N., p. 184; *Heteropelma rufum* N., *H. chryscephalum* P., p. 185; *Heterocercus flaveivertex* P., *Pipra opalizans* P., p. 186; *P. virescens* P., p. 187.—ABTH. III, 1870. *Passeres Conirostres*, *Scansores*, *Columbae*, *Gallinae*, *Struthionae*, *Grallae*, *Anserae*, pp. 189-326. Beschreibung neuer oder wenig gekannter Arten, pp. 326-344. *Leistes erythrothorax* N., p. 326; *Euphonia ochracea* P., *Tachyphonus nattereri* P., p. 328; *Orizoborus? fringilloides* P.,

1865-70. PELZELN, A. V.—Continued.

p. 329; *Spermophila supercilialis* N., p. 330; *S. caboclinho* N., *S. melanops* N., p. 331; *S. melanogaster* N., *Haplospiza? crassirostris* N., p. 332; *Sycaelis citrina* N., p. 333; *Picumnus aurifrons* N., *P. borbae* P., p. 334; *P. leucogaster* N., *P. fuscus* N., p. 335; *Peristera cyanopsis* N., p. 336; *Leptoptila reichenbachii* P., *Penelope ochrogaster* N., p. 337; *P. boliviana* "Reich.", p. 339; *P. pileata* "Licht.", p. 340; *P. nigricapilla* "Gray", p. 341; *Crax pinima* N., p. 341; *C. mikani* P., p. 343. Betrachtungen über die ornithologische Fauna Brasiliens, pp. 344-390.—ABTH. IV, 1870. Fundorte der Vögel Brasiliens nach den hauptsächlichsten Quellen, pp. 391-462; Summa der in Brasilien beobachteten Arten, 1868.—Zusätze.—Index.

The work also includes a disquisition on the faunal divisions of Brazil as determined from its *Ornis*. Four subregions are laid down, and mapped, with tabular exhibits of their characteristic species. These are termed the Columbian, Amazonian, South Brazilian, and Chilenopatagonian. The summary list of 1,680 Brazilian species is compiled from various sources, as Maximilian, Spix, Burmeister, and Wallace.

Cf. *Zeitschr. f. d. ges. Naturw.*, 1867, p. 537; *Ibis*, 1868, pp. 226, 227; 1869, pp. 113-117; 1870, pp. 272-274; *Zool. Gart.*, 1868, p. 40; *Zool. Rec.*, v, pp. 55, 56; vi, p. 51.

"John Natterer has been called a model traveller, and the most energetic and successful ornithological collector that ever lived. He explored Brazil from 1817 to 1835, securing 12,293 bird-skins, beautifully prepared and fully labelled, representing about 1,200 spp., besides registering various additional items of information. He died in his prime, on his return to Europe, leaving his collection, almost untouched, in the Imperial Cabinet of Zoology at Vienna. For nearly thirty years little was done to render his labors available in the cause of science, though instances of 'Natt. MSS.' were of not infrequent occurrence in different quarters. Upon the accession of Pelzel to the charge of the collection, he began to work upon the material, and publish the results, with selections from Natterer's MSS. His numerous papers, which were received with favor, may be considered preliminary to the present work, which undertakes a complete exposition of Natterer's labors and results."

1869. BISHOP, N. H. The Pampas and Andes. | — | A | Thousand Miles' Walk | across | South America. | By | Nathaniel H. Bishop. | — | With an Introduction | by | Edward A. Samuels, Esq., | author of "Ornithology and Oölogy of New England," | etc., etc. | — | Boston: | Lee & Shepard. | 1869. 1 vol. 8vo. 1 p. l., pp. 310.

Slightly ornithological *passim*.

1869. CUNNINGHAM, R. O. [Letter on Birds seen in the Straits of Magellan.] < *Ibis*, 2d ser., v, 1869, pp. 232-234.

Two earlier letters appeared in *Ibis*, 1868, pp. 122-129, 486-495.

1869. FRANTZIUS, A. V. Ueber die geographische Verbreitung der Vögel Costaricas und deren Lebensweise. < *J. f. O.*, xvii, 1869, pp. 195-204, 289-318, 361-379.

The natural and proper complement to Cabanis's technical articles upon the same avifauna in *J. f. O.*, 1861-69, q. v. 518 spp. known to him as Costa Rican, with occasional notes on them. The paper has special reference to Lawrence's *Catalogue*, 1868-69, q. v. Cf. *Salvin, Ibis*, 1870, pp. 107-116.

1869. GOERING, A. Excursion a algunas cuevas hasta ahora no exploradas (al sureste de Caripe). < *Vargasia*, No. 5, 1869, pp. 124-128.

Contains an account of *Steatornis caripensis*. (Cf. *Ibis*, 1870, p. 522.)

1869. HABEL, Dr. —. [Exhibition of some Birds from the Galapagos Islands.] < *P. Z. S.*, xxxvii, 1869, p. 433.

The collection contained about 70 spp., some supposed to be new, but no particulars are given. Cf. *Comptes Rendus*, lxi, pp. 273-277; *P. Z. S.*, May, 1870, pp. 322-327.

1869. LAWRENCE, G. N. List of a Collection of Birds from Northern Yucatan. < *Ann. Lyc. Nat. Hist. New York*, ix, 1869, pp. 198-210.

103 spp.—*Contopus schottii*, p. 202; *Zenaidura yucatanensis*, p. 207, spp. nn. Cf. *Ibis*, 1870, p. 280; *Zool. Rec.*, 1869, p. 59.

1869. LAWRENCE, G. N. Catalogue of Birds from Puna Island, Gulf of Guayaquil, in the Museum of the Smithsonian Institution, collected by J. F. Reeve, Esq. < *Ann. Lyc. Nat. Hist. New York*, ix, 1869, pp. 234-238.

Turdus reevei, p. 234; *Thryothorus supercilialis*, p. 235; *Empidonax griseipectus*, p. 236; *Contopus punensis*, p. 237, spp. nn.—21 spp. Cf. *Ibis*, 1870, p. 281.

1869. LAWRENCE, G. N. Characters of some New South American Birds, with Notes on other rare or little known species. < *Ann. Lyc. Nat. Hist. New York*, ix, 1869, pp. 265-275.
Turdus hauzwelli, p. 265; *Ochthoeca rufomarginatus*, *Mecocerculus uropygialis*, p. 266; *Pogonotriccus plumbeiceps*, *Myiozetetes rufipennis*, p. 267; *M. inornatus*, p. 268; *Lesbia ortonii*, p. 269; *Accipiter nigroplumbeus*, p. 270, spp. nn. Cf. *Ibis*, 1870, p. 281.
1869. LAWRENCE, G. N. Description of Seven New Species of American Birds from various localities, with a note on *Zonotrichia melanotis*. < *Proc. Acad. Nat. Sci. Phila.*, xx, 1868 [pub. 1869], pp. 359-362.
Dendroica capitalis, p. 359; *Tachyphonus atricapillus*, p. 359; *Quiscalus fortirostris*, p. 360; *Thamnophilus virgatus*, p. 361; *Pipra (?) cinnamomea*, p. 361; *Rhynchoocyclus marginatus*, p. 361; *Harpagus fasciatus*, p. 361. Cf. *Ibis*, 1870, p. 280.
1869. ROGERS, H. Natural-History Notes from Rio. < *Zoologist*, 2d ser., iv, 1869, pp. 1923, 1925.
1869. SALVIN, O. Notes on Mr. Lawrence's List of Costa-Rica Birds [in *Ann. Lyc. Nat. Hist. N. Y.*, ix, pp. 86-149]. < *Ibis*, 2d ser., v, 1869, pp. 310-319.
A detailed critical commentary. Makes 13 different determinations, expunges 14 spp., and adds 13 others—40 changes in 474 spp. This article relates only to the first portion of Mr. Lawrence's catalogue, the Land Birds.—Continued in *Ibis*, 1870, pp. 107-116, q. v.
1869. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. With Notes on their Habits: by Prof. W. Nation, of Lima. (Part III.) < *P. Z. S.*, xxxvii, 1869, pp. 146-148, pl. xii.
Continued from *P. Z. S.*, 1867, p. 344.—13 spp. The pl. represents *Neorhynchus* (g. n.) *nasesus* (lettered *maseus* on the pl.).—Continued. *P. Z. S.*, 1871, pp. 496-498.
1869. SCLATER, P. L., and SALVIN, O. Second [cf. *Ibis*, 1868, p. 183] List of Birds collected during the Survey of the Straits of Magellan, by Dr. Cunningham. < *Ibis*, 2d ser., v, 1869, pp. 283-286.
33 spp. Note on *Zonotrichia canicapilla* and synonymatic and diagnostic notice of *Phrygilus gayi* and *P. albinatus*.—Continued, *Ibis*, 1870, pp. 499-504.
1869. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely. Part IV. < *P. Z. S.*, xxxvii, 1869, pp. 151-152, pl. xiii.
Cf. *P. Z. S.*, 1867, p. 982; 1868, pp. 173, 568. 46 spp. *Saltator latirostris*, p. 151; *Poospiza caesar*, p. 152, pl. xii; *Agriornis insolens*, p. 153; *Centrites orcas*, p. 154, spp. nn. Critical and field-notes.—Continued. *P. Z. S.*, 1869, pp. 596-601.
1869. SCLATER, P. L., and SALVIN, O. Second List of Birds collected at Conchitas, Argentine Republic, by Mr. William H. Hudson: together with some notes upon another Collection from the same locality. < *P. Z. S.*, xxxvii, 1869, pp. 158-162.
Cf. *P. Z. S.*, 1868, p. 137. 14 spp. in one coll., 10 in the other; with critical notes.
1869. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering. Part III. < *P. Z. S.*, xxxvii, 1869, pp. 250-254, pl. xviii.
Cf. *P. Z. S.*, 1868, p. 165, 626. Sketch of locality: nominal list of 56 spp., with notes on 9 of them. *Brachygalba goeringi*, p. 253, pl. xviii, sp. n.—Continued, *P. Z. S.*, 1870, pp. 779-788.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopaciidæ. < *P. Z. S.*, xxxvii, 1869, pp. 416-420, pl. xxvi i.
Calliste florida, p. 416, pl. xxviii; *Synallaxis arequipæ*, *Gymnocihla chiroleuca*, p. 417; *Gralaria princeps*, p. 418 (with list of 6 spp.); *Contopus ochraceus*, *Gallinago imperialis*, p. 419.
1869. SCLATER, P. L., and SALVIN, O. On two new Birds collected by Mr. E. Bartlett in Eastern Peru. < *P. Z. S.*, xxxvii, 1869, pp. 437-439, pl. xxx.
Neopipo (g. n.) *rubicunda*, p. 438, pl. xxx, f. 3; *Euphonia chrysopasta*, p. 438, pl. xxx, figg. 1, 2.
1869. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely.—Part V. < *P. Z. S.*, xxxvii, 1869, pp. 596-601.
Continued from *P. Z. S.*, 1869, pp. 151-158.—12 spp. from Cosnipata. 4 annotated; about 57 from Tinta, 13 of which are annotated as additional to former lists. *Ochthoeca polionota*, p. 599; *Merganetta turneri*, p. 600, spp. nn.

1869. SCLATER, P. L., and SALVIN, O. Third List of Birds collected at Conchitas, Argentine Republic, by Mr. William H. Hudson. <P. Z. S., xxxvii, 1869, pp. 631-636.
Cf. P. Z. S., 1868, p. 137; 1869, p. 158. 92 spp., with remarks on 34 of them.
1869. STERNBERG, C. Notizen aus der Vogelwelt von Buenos-Ayres. <J. f. O., xvii, 1869, pp. 174-193, 257-278.
Lebensweise—35 spp.
- 1869? SUNDEVALL, C. J. Foglarne på ön St Barthelémy, efter de af Dr. A. von Goës hemsända samlingarna bestämde af Carl J. Sundevall. <Öfvers. Konigl. Vetensk.-Akad. Förh., 1869, pp. 579-591.
47 spp. Some new "Stirpes" are indicated.—Compare 1870?, same author.
- 1869? SUNDEVALL, C. J. Foglarne på ön Portorico, efter Hr Hjalmarsons insamlingar framställda af Carl J. Sundevall. <Öfvers. Konigl. Vetensk.-Akad. Förh., 1869, pp. 593-603.
90 species.—Compare 1870?, same author.
1870. ERNST, A. Apuntes para la fauna ornitologica de Venezuela. <Vargasia, núm. 7, 1870, pp. 195-198, con una lámina.
Estracto de las publicaciones de P. L. Selater y O. Salvin sobre las colecciones de pájaros venezolanos hechas por Antonio Goering; Proc. Zool. Soc. 27 de Febrero (p. 165) y 10 de Diciembre (p. 626) de 1868, y 22 de Abril (p. 250) de 1869. Lám., *Brachygalba goeringi*, *Sublagatus glaber*, *Euscarthmus impiger*.
1870. FINSCH, O. On a Collection of Birds from the Island of Trinidad. <P. Z. S. xxxviii, 1870, pp. 552-589.
115 spp., critically annotated. The article includes local synonymy and review of previous labors (especially Léotaud's) upon the same subject. *Spermophila lessoni*, sp. renom., p. 582. About 350 spp. are known to occur in Trinidad.
1870. HOLTZ, LUDWIG. Beschreibung südamerikanischer Vögel-Eier. <J. f. O., xviii, 1870, pp. 1-24, pl. i.
Supplementary to C. Sternberg's articles on Birds of Buenos Ayres in J. f. O., 1869, pp. 174-193, 257-278. Eggs of 46 spp. described. Those of *Molobrus sericeus* (fig. 1) and *M. badius* (fig. 2) figured, as well as those of *Opisthocornus cristatus* (fig. 3).
1870. HUDSON, W. H. [First Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 87-89.
The beginning of a series of 12 letters, giving miscellaneous information upon the subject.
1870. HUDSON, W. H. [Second Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 112-114.
1870. HUDSON, W. H. [Third Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 152-160.
1870. HUDSON, W. H. [Fourth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 332-334.
1870. HUDSON, W. H. [Fifth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 545-547.
1870. HUDSON, W. H. [Sixth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 548-550.
1870. HUDSON, W. H. [Seventh Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 671-673.
1870. HUDSON, W. H. [Eighth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 742-750.
1870. HUDSON, W. H. [Ninth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 793-802.
For Letters 10-12 see 1871, same author.
1870. NEWTON, A. Additional Note on the Nests and Eggs collected by Dr. Cunningham. <*Ibis*, 2d ser., vi, 1870, pp. 501-504.
The nests or eggs of 15 spp. of South American birds are described.

1870. REINHARDT, J. Bidrag til Kundskab om Fuglefaunaen i Brasiliens Campos. < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn*, 1870, pp. 1-124, 315-457, pl. viii. *Elaenia lundii*, p. 344, pl. 8, f. 1: *Myiopatis superciliaris* (Lund), p. 346, pl. 8, f. 2, spp. nn.
1870. REINHARDT, J. Bidrag til Kundskab om Fuglefaunaen i Brasiliens Campos Kjöbenhavn. 1870. 8vo. pp. 1-267, pl. viii.
Based on collections of the author and P. W. Lund in 1833-35, in the Brazilian Provinces of São Paulo, Goyaz, and Minas Geraes. Annotated list of 393 spp. *Elaenia lundii*, p. 154, pl. viii, and *Myiopatis superciliaris*, p. 156, pl. viii, spp. nn.—Cf. *Journ. de Zool.*, i. 1872, pp. 75-77.
1870. SALVIN, O. Additional Notes on Mr. Lawrence's List of Costa-Rica Birds. < *Ibis*, 2d ser., vi. 1870, pp. 107-116.
Continued from *Ibis*, 1869, pp. 310-319, q. v.—Adds 19 spp. to Lawrence's List. Contains much criticism, and includes a synonymic synopsis of three species of *Capito*, important as showing that the opposite sexes of each had generally been rated as different species.
1870. SALVIN, O. On some Collections of Birds from Veragua.—Part II. < *P. Z. S.*, xxxviii, 1870, pp. 175-219, pl. xvii (map).
Cf. *P. Z. S.*, 1867, pp. 129-161, which gave 216 spp. In this paper are 216 more, making the whole avifauna 432.—*Thryothorus semibadius*, p. 181; *Empidonax atriceps*, p. 198; *Chiroma-chæris aurantiaca*, p. 200; *Antrostomus saturatus*, p. 203; *Chortura fumosa*, p. 204; *Lophornis adorabilis*, p. 207; *Selasphorus torridus*, p. 208; *S. ardens*, p. 209; *Chloronerpes simplex*, p. 212; *Melanerpes chrysæuchæ*, p. 213, spp. nn. The paper gives a general summary of the avifauna, and much critical matter on the characters and distribution of the species.
1870. SCLATER, P. L. On some new or little-known Birds from the Rio Paraná. < *P. Z. S.*, xxxviii, 1870, pp. 57, 58, pl. iii, with cut.
Various species mentioned. *Cnipolegus cinereus*, sp. n., p. 58, woode.; *Coraphistera alaudina*, p. 57, pl. iii.
1870. SCLATER, P. L. Notices of some new or little-known Species of South-American Birds. < *P. Z. S.*, xxxviii, 1870, pp. 325-330.
Philydor consobrinus, p. 328; *Melanerpes pulcher*, p. 330, spp. nn.—Synopsis of 2 spp. of *Chaturus*: *Chaturus brachyœerca*, p. 329; *Thryothorus rufiventer* "Natt.", p. 328.
1870. SCLATER, P. L., and SALVIN, O. Third [cf. *Ibis*, 1869, p. 283] List of Birds collected, during the Survey of the Straits of Magellan, by Dr. Cunningham. With additional Note by A. Newton. < *Ibis*, 1870, 2d ser., vi, pp. 499-504.
33 spp., with notes on 3 of them. The article includes "Additional note on the Nests and Eggs collected by Mr. Cunningham. By the Editor" (A. Newton). 15 spp. are described.
1870. SCLATER, P. L., and SALVIN, O. Characters of new Species of Birds collected by Dr. Habel in the Galapagos Islands. < *P. Z. S.*, xxxviii, 1870, pp. 322-327, woode.
Certhidea fusca, p. 324, fig. 1; *Camarhynchus variegatus*, p. 324, fig. 2; *C. habeli*, p. 325, fig. 3; *C. prothemelas*, p. 325, fig. 4; *Cactornis abingdoni*, p. 326, fig. 5; *Cactornis pallida*, p. 327, fig. 6; *Nyctiorax pauper*, p. 327, spp. nn. List of 37 spp. collected.
1870. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering. Part IV. < *P. Z. S.*, xxxviii, 1870, pp. 779-788, pll. xlvii, xlviii.
Continued from *P. Z. S.*, 1869, pp. 250-254.—Nominal list of 106 spp., with notes on many of them. *Setophaga albifrons*, *Diglossa gloriosa* (pl. xlvii, f. 1), *Chlorospingus goeringi* (pl. xlvii, f. 2), p. 784; *Buarremon meridæ*, p. 785; *Grallaria griseonucha*, *Ochthoeca superciliosa*, p. 786; *O. nigrita*, *Conurus rhodoccephalus*, p. 787; *Trochroma delectissima*, pl. xlvii, p. 788, spp. nn.
1870. SCLATER, P. L., and SALVIN, O. On Birds collected by Mr. George M. Whitely on the Coast of Honduras. < *P. Z. S.*, xxxviii, 1870, pp. 835-839.
135 spp., a few of which are annotated.
1870. SCLATER, P. L., and SALVIN, O. Descriptions of five new Species of Birds from the United States of Columbia. < *P. Z. S.*, xxxviii, 1870, pp. 840-844, pl. liii.
Phœucticus uropygialis, *Synallaxis reyatti*, p. 840; *Tyranniscus leucogonys*, pl. liii, f. 1; *T. improbus*, f. 2; *T. griseiceps*, f. 3, p. 841; *Trogon chionurus*, p. 843. Synopsis of 9 spp. of the genus *Tyranniscus*.
- 1870? SUNDEVALL, C. J. Foglarne på ön St Barthelémy, efter de af Dr A. von Goës hemsände samlugarna bestämde af Carl J. Sundevall. < *Öfvers. Konigl. Vetensk.-Akad. Förhandl. för år 1869*, 1870?, pp. 579-591.
Treating 47 spp. at greater or less length, after a notice of the general subject.—Diagnosis of 3 spp. of the genus *Phaithon*.—Compare 1869?, same author.

- 1870? SUNDEVALL, C. J. Foglarne på ön Portorico, efter Hr Hjalmarsons insamlingar framställda af Carl J. Sundevall. <Öfvers. Konigl. Vetensk.-Akad. Förhandl. för år 1869, 1870?, pp. 593-604.

Treats of upward of 100 spp. Interspersed with the notes on the collection are many critical observations in the author's well-known quiet and pithy style.—Compare 1869?, same author.

1871. BELLO Y ESPINOSA. — Zoologische Notizen aus Puerto Rico von Herrn Bello y Espinosa daselbst. Nach dem Spanischen frei bearbeitet von Herrn E. von Martens in Berlin. <Der Zoolog. Garten, 1871, pp. 348-351.

Von der Classe der Vögel sind 64 Arten bekannt.

1871. CUNNINGHAM, R. O. Notes on | the Natural History | of the | Strait of Magellan | and West Coast of Patagonia | made during the voyage of H. M. S. 'Nassau' | in the years 1866, 67, 68, & 1869 | By | Robert O. Cunningham, | M. D., F. L. S., etc. | Naturalist to the Expedition | With Map and Illustrations | Edinburgh | Edmonston and Douglas | 1871 | All rights reserved 1 vol. 16mo. pp. i-xviii, 1-517, 22 illust., some colored.

Ornithological matter *passim*. Previous publication of much of the author's material is found in *Ibis*, 1868, p. 183; 1869, p. 283; and 1870, p. 499; and in his letters to the same journal, *qq. vv. suprâ*.—Fig. 6, head of Steamer Duck (*Micropterus*).

1871. CUNNINGHAM, R. O. On the Terrestrial and Marine Fauna of the Strait of Magellan and Western Patagonia. <Rep. Brit. Ass. Adv. Sci. for 1870, 1871, (Misc. Comm.), p. 114.

Mere allusions to a few birds.

1871. HAMILTON, J. F. Notes on Birds from the Province of São Paulo, Brazil. <*Ibis*. 3d ser., i, 1871, pp. 301-309.

Field-notes on 45 spp. observed in the spring of 1869.

1871. HUDSON, W. H. [Tenth Letter on the Ornithology of Buenos Ayres.] <*P. Z. S.*, xxxix, 1871, pp. 4-7.

For Letters 1-9, see 1870, same author.

1871. HUDSON, W. H. [Eleventh Letter on the Ornithology of Buenos Ayres.] <*P. Z. S.*, xxxix, 1871, pp. 258-262.

1871. HUDSON, W. H. [Twelfth Letter on the Ornithology of Buenos Ayres.] <*P. Z. S.*, xxxix, 1871, pp. 326-329.

1871. JULIET, C. Exploracion científica practicada por órden del Supremo Gobierno i segun las instrucciones del doctor don R. A. Philippi, . . . <*Anales Univ. Chile*, tomo xli. ent. de julio 1871, pp. 81-168. pll.

A few birds are mentioned here and there in running narrative. The illustrations do not relate to birds.

1871. LAWRENCE, G. N. Descriptions of New Species of Birds from Mexico, Central America, and South America, with a Note on *Rallus longirostris*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 1-21.

Harporhynchus graysoni Baird, MS., p. 1; *Cistothorus aequatorialis*, p. 3; *Troglodytes insularis* Bd. MS., p. 3; *Parula insularis*, p. 4; *Haemophila sumichrasti*, p. 6; *Pipilo carmani*, p. 7; *Attila cinnamomeus*, p. 8; *Todirostrum superciliaris*, p. 9; *Elainea macilvainii*, p. 10; *Empidonax fulvipectus*. *Trogon eximius*, p. 11; *Chlorostilbon caribæus*, p. 13; *Conurus holochlorus* var. *brevipennis* Bd. MS., p. 14; *Leptoptila bonapartii*, p. 15; *Zenaidura graysoni* Bd. MS., p. 17; *Vireosyltria magister* Bd. MS., p. 20. Interesting field-notes of Col. A. J. Grayson's accompany several of the species. The note on *Rallus longirostris* states that with this species *R. crassirostris* Lawr. from Bahia agrees, it being apparently different from *R. crepitans* Gm.

1871. LAWRENCE, G. N. Descriptions of three New Species of American Birds, with a Note on *Eugenes spectabilis*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 137-140.

Mimus nigriloris, p. 137 (Mexico); *Buarremon sordidus*, p. 138 (Bogotá); *Serpophaga grisea*, p. 139 (Costa Rica). Distinctness of *E. spectabilis* reiterated.

1871. ORTON, J. Contributions to the Natural History of the Valley of Quito.—No. I. <*Amer. Nat.*, v. No. 10, Oct., 1871, pp. 619-626.

Birds, pp. 623-626.—Annotated list of 184 spp., 38 of which are believed to be confined to the valley; followed by general remarks on geographical distribution.

1871. ORTON, J. Notes on some Birds in the Museum of Vassar College. < *Amer. Nat.*, iv, No. 12, Feb., 1871, pp. 711-717.
Observations on 50 or more spp., the greater part of the notes relating to neotropical birds. At time of writing, Vassar College contained nearly 1,200 spp., of which about 700 were N. and 600 S. American; among them several type-specimens, and others of interest as the originals of Audubon's plates.
1871. ORTON, J. On the Condors and Humming-birds of the Equatorial Andes. < *Ann. Mag. Nat. Hist.*, (4), viii, 1871, pp. 185-192.
1871. ORTON, J. The Vultures and Humming Birds of Tropical America. < *Canad. Nat. & Quart. Journ.*, n. s., v, 1871, pp. 357-360.
Abstract of his paper in *Amer. Nat.*
1871. SCLATER, P. L. On the Land-birds of Juan Fernandez. < *Ibis*, 3d ser., i, 1871, pp. 178-183, pl. vii.
Sketch of the islands; 6 spp., with comment. Pl. vii, f. 1, *Aneretes fernandezianus*; f. 2, *Oxyurus masafuerce*.
1871. SCLATER, P. L. The Birds of the Lesser Antilles. < *Nature*, iv, 1871, pp. 473 — .
Not seen.
1871. SCLATER, P. L. [Extracts from Correspondence with Mr. G. W. des Vœux concerning the expediency of introducing *Secretarius reptilivorus* or *Dacelo gigas* for destruction of the Rat-tailed Serpent of Santa Lucia (*Trigonocephalus lanceolatus*).] < *P. Z. S.*, xxxix, 1871, pp. 2-4.
1871. SCLATER, P. L. On the Birds of the Island of Santa Lucia, West Indies. < *P. Z. S.*, xxxix, 1871, pp. 263-273, pl. xxi.
Summary of Antillean avifauna; 25 spp., variously annotated. *Icterus laudabilis*, pl. xxi, p. 270.
1871. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. . . . With Notes on their Habits; by Prof. W. Nation, of Lima, C. M. Z. S.—Part IV. < *P. Z. S.*, xxxix, 1871, pp. 496-498, fig.
Continued from *P. Z. S.*, 1869, p. 148. —5 spp. *Euscarthmus fulviceps*, p. 497, fig., sp. n.
1871. SCLATER, P. L. Remarks on a Collection of Birds from Oyapok [Cayenne]. < *P. Z. S.*, xxxix, 1871, pp. 749, 750.
Oehlthoëca murina, p. 749; *Heteropelia igniceps*, p. 750, spp. nn. Synopsis of 16 + 3 spp. of *Oehlthoëca*.
1871. SUNDEVALL, C. J. On Birds from the Galapagos Islands. < *P. Z. S.*, xxxix, 1871, pp. 124-130.
A list of 26 spp., of which two are new (*Ardea plumbea*, pp. 125, 127-129, and *Spheniscus mendiculus*, pp. 129, 130; also a new variety of *Ardea violacea*), obtained by the Swedish 'Eugenie' expedition in 1852. Remarks on the species allied to some of those recorded are added. Some are noticed from the Galapagos for the first time.
1871. WYATT, C. W. Notes on some of the Birds of the United States of Columbia. < *Ibis*, i, 1871, 3d ser., pp. 113-131, pl. v (map), 319-335, 373-384.
Extended account of the region and route; field-notes on 210 spp.; map of author's journey.
- 1871-74. GUNDLACH, J. Neue Beiträge zur Ornithologie Cubas. < *J. f. O.*, xix, 1871, pp. 265-295, 353-378; xx, 1872, pp. 401-432; xxii, 1874, pp. 113-166, 286-303.
There are literal discrepancies in the titles of the successive instalments. The first part is wholly occupied with a review of what has been done on the subject, from Macleay (1827) to the author himself (1865-66). The second begins The Revised List of Cuban Birds.
1872. ANON. Zoology of the Galapagos. < *Pop. Sci. Monthly*, Sept., 1872, pp. 633-635.
Various allusions to the birds.
1872. EDITORS. New Galapagos Birds. < *Am. Nat.*, vi, 1872, p. 38.
Notice of Sci. & Salv., *P. Z. S.*, May, 1870, on Dr. Habel's discoveries.
1872. HUDSON, W. H. On the Birds of the Rio Negro of Patagonia. With Notes by P. L. Sclater. < *P. Z. S.*, xl, 1872, pp. 534-550, fig., pl. xxxi.
Field-notes on 23 spp., technical names of most of which are supplied by Dr. Sclater, who appends a nominal list of 48 spp. of the region, 7 of them peculiar to it.—*Unipolegus hudsoni*, Sci., p. 541, pl. 31, sp. n.

1872. LANDBECK, L. Sobre algunos pájaros chilenos. <*Anales Univ. Chile*, xli, Aug., 1872, pp. 515-519.
Sterna trudeaui, *Conurus cyanolyseos*, i *Sterna galericulata*.
1872. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera *Icterus* and *Synallaxis*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1872, pp. 184-186.
Icterus formosus, p. 184 (Tehuantepec); *Synallaxis maculata*, p. 186 (Tumbe, Peru).
1872. LAYARD, E. L. [Letter relating to birds seen during a voyage from England to Pará.] <*Ibis*, 3d ser., ii, 1872, pp. 333-338.
1872. [SALVIN, O.] [Notice of E. L. Layard's departure for Pará, South America.] *Ibis*, 3d ser., ii, 1872, p. 208.
1872. SALVIN, O. Notes on the Birds of Nicaragua, based upon a Collection made at Chontales by Mr. Thomas Belt. <*Ibis*, 3d ser., ii, 1872, pp. 311-323.
 130 specimens of 73 spp. Sketch of history of the subject; general characters of the avifauna of the region.
1872. [SALVIN, O.] [Notice of G. A. Maack's researches in the vicinity of Panamá.] <*Ibis*, 3d ser., ii, 1872, pp. 339, 340.
1872. SEMPER, J. E. Observations on the Birds of St. Lucia. With Notes by P. L. Selater. <*P. Z. S.*, xl, 1872, pp. 647-653.
Cf. P. Z. S., 1871, p. 263. Notes on 25 spp. contained in the former list, and on 6 additional ones.
1872. SPERLING, R. M. [Letter.] <*Ibis*, 3d ser., ii, 1872, pp. 74-79.
 Refers to various South American birds and some *Procellariidæ*.
1873. CABANIS, J. [Neue peruanische Vögel des Herrn C. Jelski.] <*J. f. O.*, 1-73, pp. 64-68.
Hylophilus flaviventris, *Dacnis modesta*, p. 64; *Hypocnemis subflava*, *Thamnistes rufescens*, *Lochmias obscurata*, p. 65; *Phylidior subflavescens*, *Iporobus (Automolus) stictoptilus*, p. 66; *Sclerurus olivaceus*, *Euscarthmus rufigularis*, *Phyllomyias cinereicapillus*, p. 67; *Capsiempis orbitalis*, *Hadrostromus audax*, p. 68, spp. nn.
1873. CABANIS, J. [Neue Vögel des Berliner Museums, von C. Jelski in Peru entdeckt.] <*J. f. O.*, 1873, pp. 315-320, pl. iv, f. 3; 1874, pl. ii.
Turdus gigantodes, p. 315; *Basileuterus diachlorus*, *Myiothlypis striaticeps*, *Iridornis jelskii*, p. 316 (pl. ii, f. 1, Jahrg. 1874); *Poecilothraupis ignicrissa*, *Presbys peruanus*, p. 317; *Diglossa pectoralis*, *Chlorospingus (Hemispingus) auricularis*, *Hypsibamon andicola*, p. 318, pl. iv, f. 3; *Cillurus rivularis*, *Synallaxis humilis*, *S. albicapilla*, *Schizoeaca palpebralis*, p. 319 (pl. ii, fig. 2, Jahrg. 1874); *Mitrephorus ochraceiventris*, p. 320.
1873. LAYARD, E. L. [Letter on Birds observed on a Voyage from Pará to England.] <*Ibis*, 3d ser., iii, 1873, pp. 331, 332.
1873. LAYARD, E. L. Notes on Birds observed at Pará. . . . With Descriptions of two new Species. By P. L. Selater. <*Ibis*, 3d ser., iii, 1873, pp. 374-396, pll. xiv, xv.
 List of 120 spp., quite fully annotated. *Picolaptes layardi*, p. 386, pl. xiv; *Thamnophilus simplex*, p. 387, pl. xv, spp. nn.
1873. LEE, W. B. Ornithological Notes [on 33 spp.] from the Argentine Republic. <*Ibis*, 3d ser., iii, 1873, pp. 129-138.
1873. LEYBOLD, F. Escursion a las Pampas Argentinas. Hojas de mi diario. Por Frederico Leybold. Santiago. 1873. 8vo. pp. 108, map.
 Not seen.—Many notes on the birds observed or obtained. *Columbina aurisquamata*, p. 38; *Conurus glaucifrons*, p. 38, spp. nn.
1873. MATHEW, G. F. Natural-History [Ornithological] Notes from Coquimbo. <*Zoologist*, 2d ser., viii, 1873, pp. 3578, 3579.
1873. PELZELN, A. V. Verzeichniss einer an Dr. L. W. Schauffuss gelangten Sendung Vögel aus Neu-Freiburg in Brasilien. <*Nunquam Otiosus*, 1873, pp. 291, 292.
 Not seen.
1873. SALVIN, O. [Letter off St. Domingo, noting various Birds observed en route.] <*Ibis*, 3d ser., iii, 1873, pp. 333, 334.

1873. SALVIN, O. [Letter relating to some Guatemalan Birds.] <Ibis, 3d ser., iii, 1873, pp. 428, 429.

1873. SCLATER, P. L. Additions to the List of Birds of Nicaragua. <Ibis, 3d ser., iii, 1873, pp. 372, 373.

Adding 17 spp. to the list given in *Ibis*, 1872, pp. 311-323.

1873. SCLATER, P. L. [Note on Sclater and Salvin's 'Nomenclator Avium Neotropicalium'.] <P. Z. S., 1873, pp. 554, 555.

Gives the classification to be adopted in the work. Eliminates *Turdus subcinereus* and *Chnipolegus* sp. from the American avifauna.

1873. SCLATER, P. L. [Descriptions of two new species of Birds from the State of Antioquia, Columbia.] <P. Z. S., 1873, pp. 728, 729.

Chlorochrysea nitidissima, p. 728; *Grallaria ruficeps*, p. 729.

1873. SCLATER, P. L. On Peruvian Birds collected by Mr. Whitely. Part VII. <P. Z. S., 1873, pp. 779-784.

39 spp., with notes on some of them. *Thryophilus fulvus*, *Todirostrum pulchellum*, p. 781; *Tyranniscus viridissimus*, *Myiobius aureiventris*, p. 782; *Grallaria erythroleuca*, p. 783, spp. un.

1873. SCLATER, P. L., and SALVIN, O. Nomenclator | Avium Neotropicalium | sive | avium | que in regione neotropica hucusque repertæ sunt | nomina systematice disposita adjecta sua cuique | speciei patria accedunt generum et | specierum novarum diagnoses. | Auctoribus | Philippo Lutley Sclater A. M. Phil. Doct. | Soc. Reg. Lond. Socio | Soc. Zool. Lond. Secretario. | Et Osberto Salvin A. M. | Soc. Reg. Lond. Socio. | — | [Icon.] | Londini : — | MDCCCLXXXIII. 1 vol. Fol. pp. viii, 163.

Avium omnium e regione Neotropica hucusque auctoribus obviarum tenet Nomenclator, secundum systema quo in opere adhuc inedito, sed jam per multos annos elaborato, cujus titulus "Index Avium Americanorum" usi sunt. Species asterisco notatæ neque in ornithotheca P. L. S. neque in Museo Salvino-Godmannico asservantur, sed in aliis locis auctoribus obviæ sunt.

Expositio ordinum classis avium in hoc opere usitatorum, adjecto in quoque ordine specierum numero. A. Carinatae. (I. Acythognathæ.) 1. Passeres, 1976. 2. Cypseli, 444. 3. Pici, 116. (II. Desmognathæ.) 4. Coccyges, 214. 5. Psittaci, 142. 6. Striges, 37. 7. Accipitres, 114. 8. Steganopodes, 17. 9. Hierodiones, 44. 10. Anseres, 64. (III. Schizognathæ.) 11. Columbe, 66. 12. Galline, 90. 13. Opisthocomi, 1. 14. Gruce, 57. 15. Limicolæ, 73. 16. Gavie, 53. 17. Pygopodes, 9. 18. Impennes, 9. (IV. Dromæognathæ.) 19. Crypturi, 36.—B. Ratite. 20. Apteryges, 0. Struthiones, 3. Summa specierum Avium Neotropicalium, 3565.

Appendix, pp. 155-163, continens diagnoses generum et specierum, quorum nominibus in hoc opere pro prima vice usi sunt:—

P. 155: *Uropsila*, p. 7; *Phlogothraupis*, p. 21; *Porphyrospiza*, p. 30; *Clibanornis*, p. 61; *Microbates*, p. 72; *Nesocercus*, p. 101. P. 156: *Gyanopelia*, p. 133; *Nothoprocta*, p. 153; *Calodromas*, p. 156; *Basileuterus leucopygius*, p. 10; *Hylophilus musciapinus*, p. 12; *Cyclorhis albiventris*, p. 13. P. 157: *Chlorophanes purpurascens*, p. 16; *Euphonia chalcopasta*, p. 18; *Chlorospingus semifuscus*, p. 24; *Arremon wuchereri*, p. 25; *Haplospiza uniformis*, p. 29. P. 158: *Chnipolegus pusillus*, p. 43; *Euscarthmus wuchereri*, p. 45; *Serpophaga subflava*, p. 47; *S. pacilocerca*, p. 47. P. 159: *Phyllomyias platyrhyncha*, p. 48; *Lipaugus immundus*, p. 57; *Casiornis fusca*, p. 57; *Furnarius agnatus*, p. 61. P. 160: *Philidor erythronotus*, p. 66; *Margarornis stellata*, p. 67; *Picolaptes puncticeps*, p. 69; *Thamnophilus tristis*, p. 69; *Myrmotherula pyrrhonota*, p. 72. P. 161: *Microbates torquatus*, p. 72; *Cercomacra carbonaria*, p. 73; *Rhinocrypta fusca*, p. 76; *Dendrocygna discolor*, p. 129. P. 162: *Querquedula andium*, p. 129; *Leptoptila rufinucha*, p. 134; *Odonophorus hypospodius*, p. 138; *Psophia napensis*, p. 141; *Tinamus ruficeps*, p. 152. P. 163: *Nothoprocta curtirostris*, p. 153.

1873. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely. Part VI. <P. Z. S., 1873, pp. 184-187, pl. xxi.

Pl. xxi, *Tanagra olivina*. List of 80 spp.: comment on 7 of them. *Hapalocercus acutipennis*, p. 187, sp. n. (Continued, *P. Z. S.*, 1873, p. 779, by Sclater alone.)

1873. SCLATER, P. L., and SALVIN, O. On the Birds of Eastern Peru. With Notes on the habits of the Birds, by Edward Bartlett. <P. Z. S., 1873, pp. 252-311, pll. xxv, (map) xxvi.

Important: contains a summary of nearly all that is accurately known of the birds of the region; complete list of previous papers, 7 in number, on the same subject; general geographical considerations; subdivisions of the Amazonian Fauna. 473 spp., of which 108 are peculiar to the Upper Amazonian Fauna. *Pithys lunulata*, p. 276, pl. xxvi; *Rhynchocyclus viridiceps*, p. 280, spp. un.

1873. SCLATER, P. L., and SALVIN, O. On some Venezuelan Birds collected by Mr. James M. Spence. < *P. Z. S.*, 1873, pp. 511, 512.
8 spp.—*Lehmias sororia*, p. 511, *Crypturus cerviniventris*, p. 512, spp. n.
- 1873-74. BERLEPSCH, H. Zur Ornithologie der Provinz Santa Catharina, Süd-Brasilien. < *J. f. O.*, 1873, pp. 225-293; 1874, pp. 241-284.
118 Arten, gut bearbeitet, namentlich in Bezug auf geographische Verbreitung.
1874. CABANIS, J. Uebersicht der von Herrn Carl Euler im District Cantagallo, Provinz Rio de Janeiro, gesammelten Vögel. < *J. f. O.*, 1874, pp. 81-90, 225-231.
Sporophila euleri, sp. n., p. 84; *Ceratotriccus*, g. n., p. 87. See 1867-69, EULER, C.
1874. CABANIS, J. [Neue peruanische Vögel des Herrn Jelski.] < *J. f. O.*, 1874, pp. 97-100.
Turdus nigriceps Jelski, *Urolampra eupogon*, p. 97; *Coprotretes jelskii*, *Euscarthmus pyrrhops*, *Mecocerculus taeniopterus*, p. 98; *Hemipipo tschudii*, *Metallura jelskii*, p. 100.
1874. GOLZ, —. [Notiz über die Guanolager Peru's.] < *J. f. O.*, 1874, pp. 343, 344.
1874. GUNDLACH, J. Beitrag zur Ornithologie der Insel Portorico. < *J. f. O.*, 1874, pp. 304-315.
116 spp.
1874. JULIET, C. Informe del ayudante de la comision esploradora de Chiloé i Llanquihue, don Carlos Juliet. < *Anales Univ. Chile*, tomo xlv, 1^a secc., Diciembre 1874, pp. 661-734.
A few birds are mentioned here and there in running narrative.
1874. LANDBECK, L. Zur Ornithologie Chiles. < *Arch. f. Naturg.*, 1874, (1), pp. 112-116.
Behandelt *Sterna trudeaui*, *S. galerieulata*, *Conurus cyanolyseos* und *C. patagonus*.
1874. LAWRENCE, G. N. Descriptions of Six Supposed New Species of American Birds. < *Ann. Lyc. Nat. Hist. N. Y.*, x, 1874, pp. 395-399.
Chlorospingus brunneus, p. 395 (Costa Rica); *C. azillaris*, p. 395 (Costa Rica); *Buarremon atricapillus*, p. 396 (Bogotá?); *Phonipara fumosa*, p. 396 (Trinidad); *Cyanospiza rosita*, p. 397 (Tehuantepec, Mex.); *Thripadectes virgaticeps*, p. 398 (Quito, Ecuador).
1874. LAWRENCE, G. N. Descriptions of Two New Species of Birds of the Families Tanagridæ and Tyrannidæ. < *Ann. Lyc. Nat. Hist. N. Y.*, xi, 1874, pp. 70-72.
Phaenicotherapis cristata, p. 70 (Bogotá); *Myiarchus flammulatus*, p. 71 (Tehuantepec).
1874. LAWRENCE, G. N. Descriptions of Four New Species of Birds from Costa Rica. < *Ann. Lyc. Nat. Hist. N. Y.*, xi, 1874, pp. 88-91.
Cyanocitta argentigula, p. 88; *Stenopsis albicauda*, p. 89; *Geotrygon rufiventris*, *Porzana cinereiceps*, p. 90.
1874. PELZELN, A. v. Ueber eine Sendung von Vögeln aus Ecuador. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xxiv, 1874, pp. 171-174.
Die Sendung von circa 30 Arten enthält in der That Objekte von vielem Interesse, darunter einige Arten welche bisher noch nicht aus Ecuador bekannt waren.
1874. REED, E. C. Remarks on the Birds of Juan Fernandez and Mas-a-fuera. < *Ibis*, 3d ser., iv, 1874, pp. 81-84.
In the former island, 6 spp. of land-birds; in the latter, 5. Cf. Sclater, *Ibis*, 1871, pp. 178-183, on the same subject.
1874. SCLATER, P. L. News of Mr. Salvin [*i. e.*, a letter from O. Salvin, on certain Guatemalan birds]. < *Ibis*, 3d ser., iv, 1874, pp. 99-100.
1874. SCLATER, P. L. [Notice of Mr. Jelski's Collections in Western Peru.] < *Ibis*, 3d ser., iv, 1874, p. 100.
1874. SCLATER, P. L. On a small Collection of Birds from Barbadoes, West Indies. < *P. Z. S.*, xlii, 1874, pp. 174, 175.
Nine species.
1874. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely. Part VIII. < *P. Z. S.*, 1874, pp. 677-680, pl. lxxxiv.
List of 32 spp., and notes on 9 of them. Synopsis of 6 spp. of *Northoprocta*; *N. tuczanowskii*, p. 679, pl. lxxxiv, sp. n.

1874. TACZANOWSKI, L. Description des Oiseaux nouveaux du Pérou central. < *P. Z. S.*, xlii, 1874, pp. 129-140, pll. xix, xx, xxi.

**Cistothorus grammiceola*, **Thryothorus cantator*, p. 130; **Dacnis zanthophthalma*, *Dacnidea* (g. n.) *leucogastra* (pl. xix, f. 2), p. 131; **Microspingus* (n. g.) *trifasciatus* (pl. xix, f. 1), **Chlorospingus cinercocephalus*, **Spermophila simplex*, p. 132; **Sycalis raimondii*, **Ochthoeca thoracica*, p. 133; **Muscisaxicola rufipennis*, **Leptopogon auritus*, p. 134; *Pogonotriccus ophthalmicus*, *Doliornis* (g. n.) *scelateri* (pl. xx), **Corythopsis humivagans*, **Herpsilochmus motacilloides*, p. 136; *Myrmotherula atrogularis*, **Thripadectes scrutator*, p. 137; **Scytalopus sylvestris*, *Thalurania jelskii*, **Helianthea dichroua*, p. 138; *Metallura hedvigae* (pl. xxi, f. 2), **Eriocnemis sapphiropygia*, p. 139; *Lamproaster* (n. g.) *branickii*, pl. xxi, f. 1, p. 140, spp. nn.; those marked with an asterisk being from C. Jelski's MS. Cf. *J. f. O.*, 1873, pp. 64-68, 315-320; 1874, pp. 97-100.

1874. TACZANOWSKI, L. Liste des Oiseaux recueillis par M. Constantin Jelski dans la partie centrale du Pérou Occidental. < *P. Z. S.*, Nov. 3, 1874, pp. 501-565, pll. lxiv, lxxv.

Most of the new Peruvian birds discovered by Jelski had been described by Cabanis in *J. f. O.*, 1873, and by Taczanowski in *P. Z. S.*, 1874, when the latter drew up the present important article, giving a complete list of the 490 species secured by the intrepid and indefatigable traveller during the three years he passed in exploring the narrow but interesting region comprised between Lima, Huanta, Monterico, Fama, and Junin, which is situated in the Cordilleras, and therefore presents a marvellously rich avifauna, composed of species living from torrid regions to the line of perpetual snow. The following 19 species are here described as new:—*Anthus brevirostris*, *A. calcaratus*, p. 507; *Conirostrum cyaneum*, p. 512; *Buarremon mystacalis*, p. 515; *B. tricolor*, p. 516; *Chlorospingus chrysogaster*, p. 517; *Spermophila obscura*, p. 519; *Pipilo mystacalis*, p. 521; *Geositta saxicola*, p. 524; *Upucerthia serrana*, p. 525; *Anabazenops cabanisi*, p. 528; *Ochthodietia signatus*, p. 532; *Rhyncoecylus peruvianus*, p. 537; *Myiobius superciliosus*, p. 538; *Empidonax andinus*, p. 539; *Leucippus pallidus*, p. 542; *Hypoxanthus brevirostris*, p. 546; *Gallinago andina*, p. 561; *Nothoprocta branickii*, p. 563.—Pl. xlv, *Turdus nigricaps*. Pl. xlv, *Buarremon tricolor*.—The text is chiefly descriptive, biographical, and critical.

1875. DUBUS, A. Descriptions de Quelques Oiseaux Nouveaux. < *Bull. Acad. Roy. Belg.*, 2d ser., xl, No. 12, Dec., 1875, pp. 13-17.

Cyanocitta yucatanica, p. 13, Yucatan; *Icterus virescens*, p. 15, Mexico; *I. xanthornus* var. *a. dubusii*, p. 16, Panama; *I. xanthornus* var. *marginalis*, p. 17, Panama.—Not seen.

1875. LAWRENCE, G. N. Descriptions of five new Species of American Birds. < *Ibis*, 3d ser., v, July, 1875, pp. 383-387, pl. ix.

Chlorospingus? speuliferus, p. 383, pl. ix, f. 1; *C. nigrifrons*, p. 384; *Scelopophaga leucura*, p. 384, pl. ix, f. 2; *Orchilus atricapillus*, p. 385; *Empidonax nanus*, p. 386.

1875. PELZELN, A. V. On some Birds from Spanish Guiana collected by Herr Münzberg. < *Ibis*, 3d ser., v, July, 1875, pp. 329-332.

24 spp.; among them *Machetes pugnax*! *Helodytes bicolor*, p. 330, sp. n.

1875. PHILIPPI, R. A. Escursion al cajon de los Cipreses en la hacienda de Canquenes (Rancagua). < *Anales Univ. Chile*, tomo xlvii, 1^a secc., 1875, pp. 651-670.

La Fauna del Valle, p. 670.—*Conurus cyanolysios*, *Attagis gayana*.

1875. SALVIN, O. Additional [cf. *Ibis*, 1871, p. 178; 1874, p. 81] Notes on the Birds of the Islands of Masafuera and Juan Fernandez. < *Ibis*, 3d ser., v, July, 1875, pp. 370-377.

Buteo exsul, p. 371; *Estrelata externa*, p. 373, spp. nn. Letter from E. Oustalet on type of *Puffinus sericeus* Less. List of 17 known species of the two islands.

1875. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering. Part V. < *P. Z. S.*, Mar. 16, 1875, pp. 234-238, pl. xxxv.

List of 42 + 33 spp., with notes on 7 of them. *Buarremon castaneifrons*, p. 235, pl. xxxv, f. 1; *Chlorospingus chrysophrys*, p. 235; *Chloronerpes zanthochlorus*, p. 238, spp. nn. Pl. xxxv, f. 2, *Buarremon taczanowskii*.

1875. SCLATER, P. L., and SALVIN, O. Description of two new Species of Birds from the State of Antioquia, U. S. C. < *P. Z. S.*, Nov. 2, 1875, pp. 541-542.

Catharus phaeopleurus, p. 541; *Automolus holostictis*, p. 542.

1876. ALLEN, J. A. Exploration of Lake Titicaca, by Alexander Agassiz and S. W. Garman. III. List of Mammals and Birds. By J. A. Allen, with Field-Notes by Mr. Garman. < *Bull. Mus. Comp. Zool.*, iii, No. 15, July, 1876, pp. 349-359.

An annotated list of 69 spp. of birds, pp. 353-359. *Falcinellus ridgwayi*, *Gallinula garmani*, spp. nn. Cf. *Ibis*, 4th ser., i, 1877, pp. 119, 120.

1876. A[LLEN], J. A. Description of new species of American Birds. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, p. 47.
Notice of two recent papers by G. N. Lawrence in *Ann. Lyc. N. Y.* and *Ibis*.
1876. BROWN, C. B. Canoe and Camp Life in British Guiana. By C. Barrington Brown, Assoc. R. S. M., late Government Surveyor in British Guiana. London: Stanford. 1876. 1 vol. 8vo.
Not seen: cited from *Ibis*, 1877, p. 239, where favorably noticed. It is said to be replete with natural history notes, many of which relate to birds, and among which are some of novelty or other special interest.
1876. DURNFORD, H. Ornithological Notes from the Neighbourhood of Buenos Ayres. < *Ibis*, 3d ser., vi, April, 1876, pp. 157-166.
1876. [HOTCHKISS, TRUMAN.] South American Game Birds. < *Scientific American* of Sept. 3, 1876.
Reprinted in *Forest and Stream*, vii, Oct. 12, 1876, p. 148.
1876. NAPP, R. Argentine Republic. Buenos Ayres. 1876. 8vo. pp. 560, 5 maps.
Not seen.
1876. ORTON, J. The Andes and the Amazon; or across the Continent of South America. By James Orton, A. M. Third edition, revised and enlarged, containing notes of a second journey across the continent from Para to Lima and Lake Titicaca. New York: 1876. 8vo.
Not seen; nor do I know the date of the original or 2d edition. Cf. *Ibis*, 1877, p. 373.
1876. PELZELN, A. V. Ueber eine weitere Sendung von Vögeln aus Ecuador. < *Verh. (Abh.) d. k.-k. zool.-bot. Gesellsch. zu Wien*, Dec. 6, 1876, pp. 765-772.
Ein ausführliches Verzeichniss der Arten, theilweise mit Anmerkungen versehen. Cf. *Ibis*, 1877, p. 383.
1876. SALVIN, O. On some new Species of Birds from Western Ecuador. < *Ibis*, 3d ser., vi, 1876, pp. 493-496, pl. xiv.
Euscarthmus ocularis, p. 493; *Formicivora speciosa*, p. 494; *Copito squamatus*, p. 494, pl. xiv; *Pionopsitta pyrrophops*, p. 495; *Leucopternis occidentalis*, p. 496.
1876. SALVIN, O. On the Avifauna of the Galapagos Archipelago. < *Trans. Zool. Soc. Lond.*, vol. ix, pt. ix, May, 1876, art. x, pp. 447-510, pll. lxxxiv-lxxxix, many woodcuts.
This important paper contains:—Introductory remarks, physical and historical, including Dr. Habel's account of his visit (cf. *P. Z. S.*, 1870, pp. 322-327), p. 447. Short account of the literature of the subject, p. 461. List of the birds, with remarks on their relationships with those of other countries, *a*, as to species, *b*, as to genera, *c*, as to families, p. 463. Summary of the birds of each island, p. 466. On the variation of the species in certain genera (*Geospiza*, *Cactornis*, *Camarhynchus*), and consequent difficulty of defining them, p. 469. Account of each species, with synonymy, description, distribution, biography, and general remarks, p. 471. Conclusions, p. 509.
Families 20; genera 39, of which 27 are wide-ranging; species 57, of which 38, or more than 66 per cent., are peculiar to the islands; 21 water-birds, 36 land-birds. Pl. lxxxiv, map of the Archipelago: lxxxv, *Camarhynchus variegatus*; lxxxvi, *C. habeli*; lxxxvii, *Larus fuliginosus*; lxxxviii, fl. 1, 2, *Æstelata phaeopygia*, sp. n., p. 507; fl. 2, *Procellaria tethys*; lxxxix, *Spheniscus mendiculus*. Also, heads, etc., of the species of *Geospiza*, *Cactornis*, and *Camarhynchus* figured in the numerous woodcuts. Dr. Habel's field-notes *passim*; his new species were previously described by S. & S., *P. Z. S.*, 1870, pp. 322-327, *q. v.*
Original date of *Creagrus* Bp., 1853; also pub. in 1854 in separates of a paper in *Rev. Zool.*, Jan., 1855.
1876. SCLATER, P. L. On some additional Species of Birds from St. Lucia, West Indies. < *P. Z. S.*, Jan. 4, 1876, pp. 13. 14. pl. ii.
Cf. *P. Z. S.*, 1871, p. 263, and 1872, p. 647.—List of 8 spp. *Thryothorus macleodensis*, *Leucopeza* (g. n.) *semperti* (pl. ii), p. 14, spp. nn.
1876. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely.—Part IX. < *P. Z. S.*, Jan. 4, 1876, pp. 15-19, pl. iii.
List of 65 spp., with remarks on 9 of them. *Thamnophilus melanchrous*, p. 18, pl. iii; *Columba albipennis*, p. 18, spp. nn.

1876. SCLATER, P. L., and SALVIN, O. Descriptions of new Birds obtained by Mr. C. Buckley in Bolivia. <P. Z. S., Feb. 1, 1876, pp. 253-254.
Diglossa glauca, p. 253; *Buarremon melanops*, p. 253; *Leptopogon tristis*, p. 254; *Hypoxanthus atriceps*, p. 254.
1876. SCLATER, P. L., and SALVIN, O. On new Species of Bolivian Birds. <P. Z. S., Apr. 4, 1876, pp. 352-358, pll. xxx-xxxiii, woodc.
Catharus mentalis, *Basileuterus euophrys*, p. 352; *Malacothraupis* (g. n.) *dentata* (pl. xxxi), fig. on p. 353. *Calliste punctulata*, p. 353; *C. fulvicervix* (pl. xxx, f. 1), *C. argyrofenges* (pl. xxx, f. 2), *Chlorospingus calophrys*, *Cyanocorax nigriceps*, *Ochthodonta fuscorufus*, p. 354; *Ochthoeca pulchella*, *Aneretes flaviviridis*, *Lathria uropygialis* (pl. xxxii, fig. on p. 356), p. 355; *Grallaria erythrotis*, *Thamnophilus subfasciatus* (pl. xxxiii), *Asturina saturata*, p. 357.
1877. ALLEN, J. A. List of Birds collected by Mr. Charles Linden, near Santarem, Brazil. <Bull. Essex Inst., viii, No. 8, 1876, pp. 78-83. (Pub. Feb., 1877.)
 Annotated list of 128 spp.; *Coccyus lindeni*, sp. n.
1877. DURNFORD, H. Notes on some Birds observed in the Chuput Valley, Patagonia, and in the neighbouring District. <Ibis, 4th ser., i, 1877, pp. 27-46.
 Extended field-notes on about 62 spp.
1877. DURNFORD, H. Notes on the Birds of the Province of Buenos Ayres. <Ibis, 4th ser., i, 1877, pp. 166-203, pl. iii.
 Excellent field-notes on 144 spp., with some little editorial criticism. *Porzana spiloptera* "Burm. MS.", p. 194, pl. iii, sp. n.
1877. EDITORS. Allen's 'Birds of Lake Titicaca.' <Ibis, 4th ser., i, 1877, pp. 119, 120.
 Review of that paper.
1877. EDITORS. Brown's Travels in British Guiana. <Ibis, 4th ser., i, 1877, p. 237.
 Notice of the work of that name.
1877. EDITORS. Pelzel on Birds from Ecuador. <Ibis, 4th ser., i, 1877, p. 383.
 A notice of the paper in Verh. (Abh.) zool.-bot. Gesch. zu Wien, 1876, pp. 765-772.
1877. EDITORS. Roraima and its mysteries. <Ibis, 4th ser., i, 1877, pp. 399, 400.
 À propos of C. B. Brown's work on British Guiana, 1876, q. v. The article is chiefly an extract from the London Spectator, date unknown to me.
1877. ERNST, A. Estudios | sobre la | Flora y Fauna | de Venezuela | por | A. Ernst. | — | Caracas | Imprenta federal | . . . | 1877. 4º. 2 p. ll., pp. 211-330.
 Catálogo sistemático de las especies de Aves que han sido observadas hasta ahora en los Estados Unidos de Venezuela, pp. 293-316. 315 géneros y 556 especies.—Publicado en el Primer Anuario Estadístico, Caracas, 1877.
1877. LAWRENCE, G. N. Descriptions of New Species of Birds from the Island of Dominica. <Ann. N. Y. Acad. Sci., i, Oct., 1877, pp. 46-49.
Thryothorus rufescens, *Dendroica plumbea*, *Myiarchus oberi*, spp. nn. Cf. Bull. Nutt. Ornith. Club, iv, Jan., 1879, pp. 48, 49.
1877. LAWRENCE, G. N. A Provisional List of the Birds Procured and Noticed by Mr. Fred. A. Ober in the Island of Dominica. <Forest and Stream, ix, Dec. 6, 1877, p. 345.
 Provisional list of 56 spp., anticipating the final paper in Proc. U. S. Nat. Mus., 1878, q. v.
1877. REED, E. C. Apuntes de la Zoología de la Hacienda de Cauquenes, Provincia de Colchagua [Chile], por Edwyn C. Reed. Santiago de Chile. 1877. 8vo.
 Not seen. Cf. Ibis, Oct., 1878, pp. 485, 486.
1877. SCLATER, P. L., and SALVIN, O. Descriptions of eight new Species of South-American Birds. <P. Z. S., Jan. 2, 1877, pp. 18-22, pl. i.
Euphonia fuscata (Demerara), *Phæticas crissalis* (Ecuador), *Ochthoeca leucometopa* (Western Peru), p. 19; *O. arenacea* (Columbia), *Chloronerpes dignus* (Columbia) (pl. i), p. 20; *Celeus subflavus* (Bahia), *Chamaepelia buckleyi* (Santa Rita, Rep. Equat.), p. 21; *Crax erythronatha*, p. 22.

1877. SCLATER, P. L., and SALVIN, O. Descriptions of six new Species of South-American Birds. <P. Z. S., June 5, 1877, pp. 521-523, pl. lii.
Basileuterus castaneiceps, *Euphonia insignis* (pl. lii. f. 1), *Chlorospingus phaeocephalus* (pl. lii. f. 2), p. 521; *Todirostrum rufigena*, *Lathria cryptolopha*, *Fuligula nana*, p. 522, from collections made in Peru and Ecuador.
1877. SHARPE, R. B. Account of the Zoological Collection made during the visit of H. M. S. 'Petrel' to the Galapagos Islands. Communicated by Dr. Albert Günther, . . . <P. Z. S., Feb. 6, 1877, pp. 64-93.
 I. BIRDS. By R. Bowdler Sharpe, pp. 65, 66, 4 spp.; *Mimus parvulus*, *Dendroica aureola*, *Geospiza fuliginosa*, *Pyrocephalus nanus*.
1877. TACZANOWSKI, L. Liste des Oiseaux recueillis au nord du Pérou occidental par MM. Jelski et Stolzmann. <P. Z. S., 1877, pp. 319 —, pl. xxxvi.
 Not seen. (Part ii of this volume missing from my set.)
1877. TACZANOWSKI, L. Supplément à la Liste des Oiseaux recueillis au nord du Pérou occidental par MM. Jelski et Stolzmann. <P. Z. S., Nov. 6, 1877, pp. 744-754.
 Un séjour prolongé aux environs de Tumbes ayant procuré aux voyageurs plusieurs espèces qui n'étaient pas fournies dans les envois précédents (voir tome cit. pp. 319 —), ces oiseaux sont ici indiqués, au nombre de 31; ce qui joint à 72 esp. de la liste précédente, fait en tout 103 espèces des environs de Tumbes qui n'étaient pas trouvées dans le Pérou central par M. Jelski.—*Penelope albipennis*, p. 746; *Rallus cypereti* Stolzmann. MS., p. 747, spp. nn.
1878. BISHOP, N. H. Notes on the Illustrations in Don Juan Lembeye's "Birds of the Island of Cuba." <Forest and Stream, x, July 25, 1878, p. 482.
 Very unfavorable to the author here criticised.
1878. BOUCARD, A. On Birds collected in Costa Rica. <P. Z. S., Jan. 15, 1878, pp. 37-71, pl. iv.
 This interesting paper gives notes, both field and critical, upon 258 spp. collected by the author himself during the five months spent in the country, with headquarters at San José, the capital. This is just half the total recorded number of Costa Rican birds, 520. Many varieties were secured, though only one novelty, as the ground had already been well worked over by several explorers, as set forth in the papers of Lawrence, Salvin, Cabanis, and others.—*Zonotrichia vulcani*, p. 57, pl. iv, sp. n.
1878. CABANIS, J. Ueber eine Sammlung von Vögeln der Argentinischen Republik. <J. f. O., Apr., 1878, pp. 194-199.
 Da dieser Jahrgang gerade gebunden wurde, war es mir nicht möglich denselben einzusehen.
1878. DURNFORD, H. Notes on the Birds of the Province of Buenos Ayres. <Ibis, 4th ser., ii, 1878, pp. 58-69.
 Not seen. (This volume of the *Ibis* is at the binder's.)
1878. DURNFORD, H. Notes on the Birds of Central Patagonia. <Ibis, 4th ser., ii, No. 8, Oct., 1878, pp. 389-406.
 Not seen. (This volume of the *Ibis* is at the binder's.)
1878. [GRINNELL, G. B.] New Birds from the West Indies. <Forest and Stream, x, July 25, 1878, p. 483.
 Comments upon recent collections by Fred. A. Ober.
1878. [GRINNELL, G. B.] Four New Birds from the West Indies. <Forest and Stream, xi, Aug. 8, 1878, p. 2.
 Notice of F. A. Ober's collections.
1878. [GRINNELL, G. B.] Birds of Dominica and St. Vincent. <Forest and Stream, xi, Nov. 21, 1878, p. 320.
 Notice of George N. Lawrence's catalogues of F. Ober's ornithological collections in the West Indies.
1878. [GRINNELL, G. B.] Frederick A. Ober ("Fred Beverly.") <Forest and Stream, xi, Nov. 21, 1878, p. 327.
 Portrait and brief biographical notice.

1878. GUNDLACH, J. Neue Beiträge zur Ornithologie der Insel Portorico. < *J. f. O.*, Apr., 1878, pp. 157-194.
Dieses Buch befindet sich beim Buchbinder und ist mir deshalb nicht zugänglich.
1878. LAWRENCE, G. N. Descriptions of Seven New Species of Birds from the Island of St. Vincent, West Indies. < *Ann. N. Y. Acad. Sci.*, i, No. 5, June, 1878, pp. 147-153.
Turdus nigrirostris, *Myiadestes sibilans*, *Thryothorus musicus*, *Certhiola atrata*, *C. saccharina*, *Leucopoeza bishopi*, *Calliste versicolor*. Cf. *Ibis*, Oct., 1878, p. 468; *Bull. Nutt. Ornith. Club*, iv, 1879, pp. 48, 49.
1878. LAWRENCE, G. N. Descriptions of Supposed New Species of Birds from the Islands of Grenada and Dominica, West Indies. < *Ann. N. Y. Acad. Sci.*, i, July, 1878, pp. 160-163.
Turdus caribbeus (Grenada), *Thryothorus grenadensis* (Grenada), *Blacicus brunneicapillus* (Dominica), *Quiscalus luminosus* (Grenada). Cf. *Bull. Nutt. Ornith. Club*, iv, Jan., 1879, pp. 48, 49.
1878. LAWRENCE, G. N. Catalogue of the Birds of Dominica from Collections made for the Smithsonian Institution by Frederick A. Ober, together with his Notes and Observations. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. July, 1878), pp. 48-69.
Fully annotated list of 59 spp.; collector's field-notes and sketch of the locality; author's critical commentary. *Vireosylva calidris* var. *dominicana*, p. 55; *Striz flammea* var. *nigrescens*, p. 64, varr. nn. Cf. *Bull. Nutt. Ornith. Club*, iv, Jan., 1879, pp. 48, 49.
1878. LAWRENCE, G. N. Catalogue of the Birds of St. Vincent, from Collections made by Mr. Fred. A. Ober, under the Direction of the Smithsonian Institution, with his Notes thereon. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Oct., 1878), pp. 185-198.
Treats of 59 spp., 3 undetermined, with collector's field-notes and sketch of the island; author's critical commentary on several of the species. Seven new species of this collection were described just previously, in *Ann. N. Y. Acad. Sci.*, 1878, q. v. Cf. *Bull. Nutt. Ornith. Club*, iv, 1879 pp. 48, 49.
1878. LAWRENCE, G. N. Catalogue of the Birds of Antigua and Barbuda, from Collections made for the Smithsonian Institution, by Mr. Fred A. Ober, with his Observations. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Dec., 1878), pp. 232-242.
From Antigua, 42 spp.; from Barbuda, 39 spp.; both lists fully annotated by Mr. Ober, with his field-notes. *Speotyto amaura*, p. 234, sp. n.
1878. PELZELN, A. V. Weitere Sendungen von Vögeln aus Ecuador. < *Verh. (Abh.) d. k.-k. zool.-bot. Gesellsch. zu Wien*, —, 1878, pp. 15-20.
Nicht selbst gesehen: Titel aus Ridgway's MS. citirt. Unter den beschriebenen interessanten Arten befinden sich *Urochroa bougieri*, *Urosticte rufigerissa*, *Bourcieria insectivora* und *Cyanocitta pulehra*. *Chlorochrysa sodiroi* sp. n. = *C. phaniceotis* ♀; cf. *Ibis*, 1878, pp. 478, 479.
1878. SCLATER, P. L., and SALVIN, O. On the Collection of Birds made by Prof. Steere in South America. < *P. Z. S.*, Feb. 5, 1878, pp. 135-142, pll. (Aves) xi-xiii, woodc.
Prof. Steere collected about 911 bird-skins, from Pará to Callao, belonging to about 362 spp., 22 of which furnish the occasion for remark in this paper. Among them is *Xema sabinii*!—*Myiarchus semirufus* (pl. xi), p. 138; *Furnarius pileatus*, p. 139; *Capito steerii* (pl. xii), p. 140; *Crypturus transasiatus* (pl. xiii), p. 141, sp. n.
1878. SCLATER, P. L., and SALVIN, O. Reports on the Collections of Birds made during the voyage of H. M. S. 'Challenger.'—No. IX. On the Birds of Antarctic America. < *P. Z. S.*, Apr. 16, 1878, pp. 431-438.
Report on 41 spp. collected on the voyage from Juan Fernandez, along the coast of Patagonia, to the Falklands. It is little more than a list of the specimens, with collector's notes, though some technic occurs.
1878. SCLATER, P. L., and SALVIN, O. Descriptions of three new Species of Birds from Ecuador. < *P. Z. S.*, Apr. 16, 1878, pp. 438-440, pll. (Aves) xxvii, xxviii.
Buarremon leucopsis, *Neomorphus radiolosus*, pl. xxvii, *Aramides calopterus*, pl. xxviii, p. 439.

1878. SPENCE, J. M. The Land of Bolivar, or War, Peace, and Adventure in the Republic of Venezuela. With maps and illustrations. . . . London: Sampson Low & Co. 1878. 2 vols. 8vo.

Not seen: contains a catalogue of birds, reprinted from *P. Z. S.*, 1873, pp. 511, 512.

1879. A[LLEN], J. A. Lawrence and Ober on the Birds of Dominica and St. Vincent. < *Bull. Nat. Ornith. Club*, iv, No. 1, Jan., 1879, pp. 48, 49.

Notices of five of G. N. Lawrence's recent papers on F. A. Ober's collections in the Lesser Antilles, in *Ann. N. Y. Acad. and Proc. Nat. Mus.*

1879. LAWRENCE, G. N. Catalogue of the Birds of Grenada, from a Collection made by Mr. Fred. A. Ober for the Smithsonian Institution, including others seen by him, but not obtained. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Feb., 1879), pp. 265-278.

Grenada, one of the Lesser Antillian Islands, about 12° N., 18½ miles long by 7½ broad. Mr. Ober's general remarks on the island, and his field-notes in the body of the article. Treats of 54 spp., represented in the collection by 66 specimens. *Vireosylva calidris* var. *dominicana*, p. 268; *Strix flammea* var. *nigrescens*, p. 273, varr. nn.?

1879. LAWRENCE, G. N. Catalogue of the Birds collected in Martinique by Mr. Fred. A. Ober for the Smithsonian Institution. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Mar. 10, 1879), pp. 349-360.

Sketch of Martinique by Mr. Ober, and his copious field-notes throughout the list of 40 spp. Important note on *Dendroica rufigula* Baird, p. 353, and on *Quiscalus inflexirostris* Swains., p. 356. *Myiarchus sclateri*, p. 357, sp. n.

1879. LAWRENCE, G. N. Catalogue of a Collection of Birds obtained in Guadeloupe for the Smithsonian Institution, by Mr. Fred. A. Ober. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Apr. 22, 1879), pp. 449-462.

Of the same characters as previous papers of this series. Mr. Ober collected in Guadeloupe in August and September, 1878, sending in 132 specimens, and noting 45 spp.

1879. LAWRENCE, G. N. A General Catalogue of the Birds noted from the Islands of the Lesser Antilles visited by Mr. Fred. A. Ober; with a Table showing their Distribution and those found in the United States. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. 1879), pp. 486-488.

A *résumé* of the preceding catalogues in tabular form. All these papers of Mr. Lawrence's are also published separately, same pagination, with cover and new title-page.

ADDENDA.

I continue with a few titles acquired during the impression of the preceding pages.

1625. DE LAET, J. Nieuwe Wereldt | ofte | Beschrijvinghe | van | West-Indien, | wt veelcrhande Schriften ende Aen-teekeningen | van verscheyden Natien by censersamelt | Door Ioannes de Laet, | Ende met Noodighe Kaerten en Tafels voorsien. | Tot Leyden, | In de Druckerye van Isaack Elzevier. | Anno 1625. | Met Privilege der Ho. Mo. Heeren Staten Generael, voor 12 Jaren. | Folio. pp. (2), xxii. 526, maps.

Not seen: title from Sabin's *Bibl.* See ed. of 1630.

1630. DE LAET, J. Beschrijvinghe | van | West-Indien | door Ioannes de Laet. | Tweede Druck: | In ontallijcke plaetsen ver- | betert, vermeerdert, met eenige nieuwe Caerten, beelden van | verscheyden dieren ende | planten verciert. | Tot Leyden, bij de Elzeviers. A°. 1630. | Met Priuilegie. 1 vol. Folio. 14 p. ll., incl. half-title, eng. title, dedication, privilege, introduction, contents, list of (14) maps, and errata, pp. 1-622, 9 ll. (index), maps and other illustrations.

Orig. ed. 1625. This is the only edition of the famous work I have seen; I cite several others from Sabin's *Bibl.*

1633. DE LAET, J. *Novvs Orbis | sen | Descriptionis | Indiæ Occidentalis—Libri XVIII. | Authore | Ioanne de Laet Antverp. | Novis Tabulis Geographiceis et variis | Animantium, Plantarum Fructuumque | Iconibus illustrati. | Cvm Privilegio. | Lygd. Batav. apud Elsevirios. A°. 1633. 1 vol. Folio. 16 p. ll. incl. half-title, eng. title, and list of (14) maps, pp. 1-690, 9 ll. (index).*
1640. DE LAET, J. *L'Histoire | dv | Nouveau Monde | ou | description | des Indes Occidentales, | Contenant dix-huit Liures, | Par le Sieur Jean de Laet, d'Anuers; | Enrichi de nouvelles Tables Geographiques & Figures des | Animaux, Plantes & Friets. | [Dessin.] | A Leyde, | Chez Bonanenture & Abraham Elseviers, Imprimeurs | ordinaires de l'Vniuersité. | — | cLo Ioc XL. 1 vol. Folio. 14 p. ll., pp. 1-632, 6 ll., 14 maps.*

"This French translation of Laet contains many materials not found in the original Dutch, . . . This work is full of the most excellent and curious details of the natural history, . . ."

1682. NIEUWOF, J. *Johan Nienhofs | Gedenkweerdige | Brasiliaense | Zee-en Land- | Reize. | Behelzende | Al het geen op dezelve is voorgevallen. | Benefiëns | Een bondige beschrijving van gantsch | Neerlants Brasil, | Zoo van lantschappen, steden, dieren, gewassen, als | draghten, zeden en godsdienst der inwoonders: | En inzonderheit | Een wijtloopig verhael der merkwaardigste voorvallen | en geschiedenissen, die zich, geduurende zijn negenjarigh | verblijf in Brasil, in d'oorlogen en opstant der Portugesen | tegen d' onzen, zich sedert het jaer 1640. tot 1649. | hebben toegedragen. | Doorgaens vereiert met verscheide afbeeldingen, na 't leven aldaer getekent. | [Afbeeld.] | t' Amsterdam. | — | Voor de Weduwe van Jacob van Meurs, op de Keizers-gracht. 1682. 1 vol. Folio. Eng. title, illum. title, dedication, arms, privilege, introduction, each one leaf; pp. 1-308, 2 ll. (directions to binder, and index); 44 engravings.*

See what is said *antea*, p. 241. In addition to this, there is on p. 281 a heading "Indiaense en Javaense vogels en viervoetige dieren"; under which descriptions of various East Indian and particularly Javan birds run to p. 288, including two engravings on which the Dodo and various other birds are figured.

The above is the full printed title. The work is scarcely citable in the present connection, being of a more general character.

1724. [LABAT, *Père J. B.*] *Nouveau | Voyage | [du Père Jean Baptiste Labat] | aux Isles | de l'Amerique. | Contenant | L'Histoire Naturelle de ces Pays, | l'Origine, les Mœurs, la Religion & le Gouvernement des | Habitans anciens & modernes: | Les Guerres & les Evenemens singuliers qui y sont arrivez pendant | le long séjour que l'Auteur y a fait: | le Commerce et les Manufactures | qui y sont établies, & les moyens de les augmenter. | Ouvrage enrichi d'un grand nombre de Cartes, Plans, & Figures en Taille-douce. | Tome premier [second]. | [Vignette.] | A la Haye, | Chez { P. Husson. T. Johnson. J. Van Duren. R. Alberts. P. Gosse & C. Le Vier. | M. DCC. xxiv. 2 vols. 4to. Vol. I, 3 p. ll., pp. j-viiij, 1-360, 2 ll., 47 maps and plates. Vol. II, 4 p. ll., pp. 1-520, 9 ll., many maps and plates.*

There are many editions. Sabin's *Bibl.* gives the following, besides the above:—Paris, 6 vols., 12mo, 1722.—La Haye, 6 vols., 12mo, 1724.—Paris, 8 vols., 12mo, 1742; augmented.—Paris, 8vo, 1831; abridged.—Dutch, Amsterdam, 4 vols., 4to, 1725.—Latin, Nürnberg, 7 vols., 12mo, 1782-88.

The celebrated work is very full on the Natural History of the West Indies, and ornithology comes in for its share of treatment; but the copious details are so scattered through the volumes that formal citation of the bird-matter becomes inconvenient.

1745. WARREN, G. *Impartial Description of Surinam, &c.*

The date of the original is said to be 1667. The only shape in which I have handled it is as a part of Vol. II of Osborne's "A Collection of Voyages and Travels", etc., folio, London, 1745, where it is given with a half-title-page as follows:—An impartial | Description | of | Surinam | upon the | Continent of Guinea | in | America. | With a | History of several strange

1745. WARREN, G.—Continued.

Beasts, Birds, Fishes, Serpents, In- | sects, and Customs of that Colony, &c. | Worthy the Perusal of all, from the Experience of | George Warren, Gent. | pp. 919-931. Chap. IV. Of the Birds; p. 924. a column of remarks, of no consequence.

1765. FERMIN, P. Histoire | Naturelle | de la | Hollande Equinoxiale: | ou | Description | des Animaux, Plantes, Fruits, et autres | Curiosité's Natrelles, qui se trouvent | dans la colonie de | Surinam; | avec Leurs Noms différents, tant François, que Latins. | Hollandois, Indiens & Nègre-Anglois. | Par | Philippe Fermin, | Docteur en Medicine. | [Vignette.] A Amsterdam, | Chez M. Magé-
rus, Libraire. MDCCLXV. 1 vol. 8vo. pp. i-xii, 1-240, 1 l.

Seconde Partie. Des Oiseaux, Poissons, et Testacées, pp. 57-108, where a few birds, fishes, and mollusks are given in alphabetical order, mixed together, with slight descriptions, or definitions of the names, of each.

1782. [PALLAS, P. S.] Beschreibung zweyer südamerikanischer merkwürdiger Vögel.
< *Neue Nordische Beyträge*, iii, 1782, pp. 1-7, pl. i.

1. Der kleine schwarze Kukuk aus Surinam (*Cuculus tenebrosus*), p. 2, pl. i, f. 1. 2. Der aller kleinste Specht oder Wendehals, aus Südamerika (*Picus minutissimus*), p. 5, pl. i, f. 2.

1793. WEST, H. Bidrag | til | beskrivelse | over St^e Croix | med en | kort Udsigt | over | St. Thomas, St. Jean, Tortola. | Spanishtown og Crabeneiland. | Af | H. West, | Rector ved det vestindiske Skole-Institut. | — | Kiöbenhavn, 1793. . | Trykt hos Frederik Wilhelm Thiele. 1 vol. 16mo. 3 p. ll., 1-364, folded sheet opp. p. 204.

This is the *ed. princ.*; there is another, German, Copenhagen, 1794. The only bird-matter consists of a list of 2 spp., on p. 317—*Ardea coerulea* and *Fulica chloropus* (= *Gallinula galeata*).

1810. LEDRU, A.-P. Voyage | aux Iles | de Ténériffe, | La Trinité, Saint-Thomas, | Sainte-Croix et Porto-Ricco, | exécuté par ordre du Gouvernement Français, | Depuis le 30 Septembre 1796 jusqu'an 7 Juin 1798, sous la | Direction du Capitaine Baudin, pour faire des Recherches | et des Collections relatives à l'Histoire Naturelle; | contenant | Des Observations sur le Climat, le Sol, la Population, | l'Agriculture, les Productions de ces Iles, le Caractère, les | Mœurs et le Commerce de leurs Habitants. | Par André-Pierre Ledru, | [etc., trois lignes.] | Ouvrage accompagné de notes et d'additions, | par M. Sonnini. | Avec une très-belle Carte gravée par J. B. Tardien, d'après Lopez. | Tome premier [second]. | A Paris, | Chez Arthur Bertrand, Libraire, rue Haute feuille, n^o 23. | — | 1810. 2 vols. 16mo. Vol. I, 2 p. ll., pp. i-xlvij, 1-315, 1 l. Vol. II, 2 p. ll., pp. 1-324, 1 l., map.

Vol. I, Chap. XIII. Essai sur l'histoire naturelle de l'île de Ténériffe, pp. 176 et seq. Oiseaux, pp. 177-185, par l'auteur. Notes sur les animaux dont il est question dans le chapitre précédent, par Sonnini, pp. 219-231. Note sur le Pélecan, par Sonnini, pp. 245, 246. Chap. XVI. Notice sur l'île de la Trinité, par l'auteur, pp. 247 et seq. Oiseaux, pp. 258-261. Notes sur l'histoire, et particulièrement sur l'histoire naturelle de l'île de la Trinité, par Sonnini, pp. 267 et seq. Oiseaux, pp. 296-307.—Vol. II, Chap. XIX. Essai sur l'histoire naturelle des îles danoises, pp. 36 et seq. Oiseaux, pp. 38, 39. Chap. XXVIII. Histoire naturelle de Porto-Ricco, pp. 194 et seq. Oiseaux, pp. 199-209. Addition à l'histoire naturelle de Porto-Ricco, par Sonnini, pp. 255 et seq. Oiseaux, pp. 256-274.

1811. HUMBOLDT, A. v. Reeneil d'Observations de Zoologie. 1811.

Not seen; said to contain a few brief notices of the birds of Colombia.

1811-12. LEDRU, A.-P. Reise nach den Inseln Ténériffa, Triinidad, St. Thomas, St. Cruz, und Porto-Rico, . . . Aus dem Französischen, mit Bemerkungen über Colonialwaaren von E. A. W. Zimmermann. Leipzig, 1811-12. 2 vols. 8vo.

Not seen: title from Sabin's *Bibl.*

1823-31. SPIX, J. B. v., and MARTIUS, C. F. P. v. Reise | in | Brasilien | auf Befehl Sr. Majestät | Maximilian Joseph I. | Königs von Baiern | in den Jahren 1817 bis 1820 gemacht und beschrieben | von | Dr. Joh. Bapt. von Spix, | [etc., 3 Zeilen,] | und Dr. Carl Friedr. Phil. von Martius, | [etc., 3 Zeilen.] | Erster

- 1823-31. SPIX, J. B. v., and MARTIUS, C. F. P. v.—Continued.

[—dritter] Theil. | — | München, 1823 [1828, 1831]. . . . 3 vols. 4to.—
Erster Theil, München, 1823, gedruckt bei M. Lindauer, 4 p. ll., pp. i-x, 1-412.
Zweiter Theil, bearbeitet und herausgegeben von Dr. C. F. P. von Martius,
München, 1828, gedruckt bei I. J. Leutner, pp. i-viii, 413-834, 1 l. Dritter
Theil, bearb. u. herausg. von Dr. C. F. P. von Martius, München, 1831, bei
dem Verfasser, Leipzig, in Comm. bei Friedr. Fleischer, pp. i-viii, 885-1388,
geographischer Anhang, 1 p. l., pp. 1-40, und Karte vom Amazonenstrom.

The copy examined contains no formal presentation of the ornithology, and only one map. There is an English translation of a portion of the work, 1824, *q. v.* The natural history is said to be contained in a special appendix to Theil III, and to be also found separate under the title „Die Pflanzen und Thiere des tropischen America“ u. s. w., München, 1831, gr.-4to mit 4 Taf. in-folio.

1824. SPIX, J. B. v., and MARTIUS, C. F. P. v. Travels | in | Brazil, | in the years |
1817-1820. | Undertaken by command of | His Majesty the King of Bavaria. |
By | Dr. Joh. Bapt. von Spix, | and Dr. C. F. Phil. von Martius, | [etc., 3
lines.] | — | Volume the first [second]. | — | London: | printed for | Long-
man, Hurst, Rees, Orme, Brown, and Green, | Paternoster-row. | 1824. 2 vols.
in 1. 8vo. Vol. I, pp. iii-xxii, 1-327, 4 pll. Vol. II, pp. iii-x, 1-298, 5 pll.

This is an English translation of *portions* of Spix and Martius's *Reise*, not of the whole work, which was not completed until 1831. It does not contain the natural history proper of the work, which is in the concluding part of the German work; only giving some little bird-matter incidentally, here and there. (See this Bibliography, *antea*, p. 250, at date of 1823-31.)

1831. WAGNER, J. A. Beiträge | zur | Kenntniss der warmblütigen Wirbelthiere |
Amerika's. | Von | Professor Dr. Johann Andreas Wagner. | [n. d., n. p.
Kempten, 1831.] 1 vol. 4to. pp. 94, pll. v.

Diese mit Halbtitel versehene Broschüre enthält: Osteographische Beiträge zur Kenntniss einiger südamerikanischen Vögel. I. *Crypturus variegatus*, pp. 56-66, pl. iii, f. 1-6. II. *Dieholophus cristatus*, pp. 66-72, pl. iii, f. 7-11. III. *Psophia crepitans*, pp. 72-77, pl. iv, f. 1-4. IV. *Mycteria americana*, pp. 77-83, pl. iv, f. 5-7.

- 1831-35. KITTLITZ, F. H. v. Über einige Vögel von Chili, beobachtet im März und
Anfang April 1827. < *Mém. présentés à l'Acad. Imp. des Sci. de St.-Petersb. par
divers Savans Étrang.*, i, 1831, pp. 173-194, pll. —?; ii, 1835, pp. 465-472, pll.
1-5. (Auch als Separat-Abdruck erschienen.)

I. 1831.—*Phytotoma silens*, p. 175; *Pteroptochos rubecula*, p. 179; *P. albicollis*, p. 180; *P. megapodius*, p. 182; *Troglodytes paradoxus*, p. 184; *Synnalaxis* [sic] *humicola*, p. 185; *S. aegithaloides*, p. 187; *Opetiorynchos* [sic] *rupestris*, p. 188; *Muscicapa parulus*, p. 190; *M. pyrope*, p. 191; *Fringilla diuca* (Mol.), p. 192; *Crypturus perdicarius*, p. 193. (Title calls for 12 colored plates; no plates found in copy examined.)

II. 1835.—13, *Tamnophilus* [sic] *lividus*, p. 465, pl. 1; 14, *Sturnus aterrimus*, p. 467, pl. 2; 15, *Alauda fissirostris*, p. 468, pl. 3; 16, *Fringilla arvensis*, p. 470, pl. 4; 17, *Anas chalcoptera*, pl. 471, pl. 5 (lettered *chalcontera*).

Obs. This reference is often misquoted as if it were to the regular *Mém. de l'Acad. St.-Petersb.*

1833. SCHREIBER, [C. v.] Collectanea ad Faunam Braziliae.

Not seen. “M. Schreiber of Vienna commenced, in 1833, the ‘Collectanea ad Faunam Braziliae’, but only one number of that work was ever published.”

1834. LESSON, R. P. Sur quelques Oiseaux du Chili. < *L'Institut*, ii, 1834, No. 72,
p. 316. (Soc. des Sc. et Arts de Rochefort.)

Not seen: title from Carus and Engelmann.

- 1834-41. SWAINSON, W. The | Ornithological | Drawings | of | William Swainson |
Esq., A. C. G. | [etc., 4 lines.] | — | Part 5 [mut. mut.]. | The Birds of Brazil.
| — | London: | Baldwin & Cradock. | Treuttel. Würtz & Richter Paris, &
Strasbourg. | Oliver & Boyd, Edinburgh Robinson's Liverpool. | Robt.
Havell, 77, Oxford St. Price 7/. Cold. 10/6. Double Plates 15/. | [n. d.
“1834-1841.”] 8vo. Engr. cover-title and 62 (“78”) colored plates. “Pub.
in 7 parts.”

The piece handled consists of 62 colored plates, without any text, there being only the engraved cover-title above transcribed. It is not dated; but there is pencilled in msc. of T. N.

1834-41. SWAINSON, W.—Continued.

Gill a date, "1834-1841"; and the same hand notes on the fly-leaf "Part 6 wanting", leaving it open to infer that there are several lots or "Parts". The number of Part "5" is also written, not printed; so that probably the same engraved title covers other parts. The dates above cited are presumed to be those of publication of the whole series. The plates are as follows; I do not know that these 62 (some cite "78") are all of them:—Pl. 1, *I[cterus] hæmorrhous*. 2, *C[assicus] affinis*. 3, *O. icteronotus*. 4, *O. nigerrimus*. 5, Blueheaded Tanager, "A." *cyanocephala*. 6, *A. citrinella*. 7, *A. cuculata*. 8, *A. cyanoptera*. 9, Long-billed Puff Bird, "*T[amatia?]*" *somnolenta*. 10, *T. leucotis*. 11, *T. maculata*. 12, *T. leucops*. 13, *T[roglodytes] æquinoctialis*. 14, *T. carinatus*. 15, *T. nititans*. 16, *Thryothorus striolatus*. 17, Black-masked Tanager, *R[hampho . . . ?] gularis*. 18, *R. coccineus*. 19, same, ♀. 20, *R. atro-coccineus*. 21, *T[rochilus] eristatus*. 22, *T. delalandii*. 23, *P[ipra] galeata*. 24, *Calyptura cristata*. 25, *P[ipra] strigilata*. 26, *Pepra* [sic] *manacus*. 27, Mango Hummingbird, young. 28, *L[ampornis] mango*. 29, *T[rochilus] auritus*. 30, *T. moschitus*. 31, Black-backed Tanager, "A." *melanotus* Sw. 32, *C[assicus] cristatus*. 33, *Lockmias squamulata* Sw. 34, *Lypornix striata*. 35, *L. rubicula*. 36, *L. tenebrosa*. 37, *T[anagra] cana* Sw. 38, *T. olivascens* Licht. 39, *T. episcopus*. 40, *T. mornata* [sic—lege *inornata*]. 41, *T. celestes*. 42, *T. ornata*. 43, Black-backed Tanager, "A." *melanotis* [sic—lege *melanonotus*]. 44, *Pipra parcola*. 45, *P. caudata*. 46, *Tyrannula superciliosa*. 47, *T. megacephala*. 48, *T. modesta*. 49, *T. caniceps*. 50, *Tyrannus circumcinctus*. 51, *Megalophus regius*. 52, same. 53, *Tyrannula ferruginea*. 54, *T. curtipes*. 55, *Platyrus corniculatus*. 56, same, ♀. 57, *P. affinis*. 58, *Cyclarhis* [sic] *guianensis*. 59, *Thamnophilus naevius*. 60, *T. bicolor*. 61, *Trogon auratus*. 62, same, ♀. The complete series is said to consist of 78 plates, published in 7 parts. Other titles of the same thing in current quotation are: "Ornithological Drawings, being figures of the rarer and most interesting Birds of Brazil"; and "A selection of the Birds of Brazil and Mexico."

1836. KITTLITZ, F. H. v. Cinq nouvelles espèces d'Oiseaux du Chili. < *L'Institut*, iv, No. 190, 1836, p. 442.

Not seen: title from Carus and Engelmann. Compare 1831-35, same author. See, also, *Isis*, 1836, pp. 347-351.

1843. GOUDOT, J. Observations sur l'organisation et les habitudes du coq de roche péruvien (*Pipra peruviana*, Lath.), et du caurale (*Ardea helias*, Lin.). < *Guér. Mag. de Zool.*, 2^e sér., 1843, Ois., pp. 1-4, pll. 37, 38.

Pl. 37, œuf du *Rupicola peruviana*; pl. 38, œuf de l'*Eurypyga phalenoïdes*.

1848. SCHOMBURGK, R. H. The | History of Barbadoes; | comprising | a geographical and statistical | description of the Island; | a sketch of the | historical events since the settlement; | and an account of its | geology and natural productions. | By | Sir Robert H. Schomburgk, Ph. D., [etc., 6 lines.] | [Seal.] | London: | Longman, Brown, Green and Longmans. | 1848. 1 vol. Roy. 8vo. pp. i-xxii, 1-722, frontisp., eng. title, 7 other plates, 13 woodc., folding sheet opp. p. 686.

Part III, Chap. V, Animated Nature as developed in the Barbadoes, . . . Birds, pp. 680-682; an inconsiderable list, preceded by a few general observations.

1863. PHILIPPI, R. A., and LANDBECK, L. Beschreibung einer neuen Ente und einer neuen Seeschwalbe. < *Arch. f. Naturg.*, —, 1863, pp. 202 —.

Not seen.—*Querquedula angustirostris*, *Sterna atrofasciata*, aus Südamerika.

1866. [GUYON, —.] Ueber die Thiere, die auf den Inseln Martinique und Guadeloupe seit der Besitznahme durch die Franzosen verschwunden sind. < *Aus der Natur*, xxxviii, oder n. F. xxvi, 1866, pp. 730-733.

Auszug aus den *Compt. Rend.*, lxiii, 1866, pp. 589-593.

INDEX.

A.—AUTHORS.

[NOTE.—With catch-titles. Chronological arrangement under each head. Joint-authorships under leading name. Figures refer to dates under which titles are alphabetized: double dates are found in the Bibliography at end of series of single dates; thus, 1877-78 at end of 1877. Anonymous, pseudonymous, editorial, and initial titles mostly omitted.]

ABBOTT, C. C.

Notes on Birds of the Falkland Islands, 1860, 1861.

ABBOTT, S. L.

Remarks on Birds from Surinam, 1844.

ALBRECHT.

Zur Ornithologie Cuba's, 1861.

Zur Ornithologie von Jamaica, 1862.

ALLEN.

Exploration of Lake Titicaca, 1876.

Review of Lawrence's Papers, 1876.

Birds collected by Linden in Brazil, 1877.

ARBOLEYA.

Manual de la Isla de Cuba, 1852.

AZARA.

Apuntamientos, 1802-05, 1809.

BAIRD.

List of Birds of Mexico, Central and South America not in Smithsonian Institution, 1863.

Dates of Publication of Anales Univ. Chile and Arch. f. Naturg., 1866.

BANCROFT.

Natural History of Guiana, 1769, 1769.

BATES.

Naturalist on the Amazon, 1863, 1864.

BECKLEMICHEW.

Deux Oiseaux Nouveaux du Brésil, 1829.

BELL.

Wildfowl of Jamaica, 1868.

BELLO Y ESPINOSA.

Zoologische Notizen aus Porto Rico, 1871.

BENVENUTI.

Descrizione di quattro Trochilidi e di una Dendroeca, 1866.

BERLEPSCH.

Zur Ornith. der Provinz Sta. Catharina, 1873-74.

BERNSÉE.

On Birds of the East Falklands, 1855.

BISHOP.

The Pampas and Andes, 1869.

Notes on Lumbey's 'Birds', 1878.

BOECK.

Über die Ornis der Provinz Valdivia, 1855.

BOISSONNEAU.

Oiseaux Nouveaux de Santa-Fé de Bogota, 1840, 1840.

BOLLE.

Guano-Gewinnung auf den Chincha-Inseln, 1861.

BONAPARTE.

Descriptions of Ten South American Birds, 1825.

Notes to former paper, 1825.

Catalogue Méthodique des Oiseaux recueillis à Cayenne par Desplanches, 1857.

Notices and Descriptions of Birds from Mexico and South America, 1837.

Catalogo di Uccelli Messicani e Peruviani, 1838.

Catalogue d'Oiseaux du Mexique et du Pérou, 1840.

BONYAN.

On Raptorial Birds of British Guiana, 1851, 1853.

BOUCARD.

On Birds collected in Costa Rica, 1878.

BREHOW.

Auszüge aus den Schreiben des reisenden C. Moritz in Süd-Amerika, 1837.

BREWER.

List of Birds of Cuba, 1859.

BRIDGES.

Notes on Birds from Chile, 1841.

Notice of Bolivian Birds, 1846.

Additional Notes on South American Ornithology, 1847, 1847.

BROWN, C. B.

Canoe and Camp Life in British Guiana, 1876.

- BROWNE, P.
Jamaica, 1756, 1789.
- BRYANT.
On Two Birds from Bogota, 1859.
Vögel von Porto Rico, 1866.
List of Birds from Porto Rico presented by Swift and Latimer, 1866.
List of the Birds of St. Domingo, 1867.
- BURMEISTER.
Ueber die Eier und Nester einiger brasilianischer Vögel, 1853.
Systematische Uebersicht der Thiere Brasiliens, 1856.
Erläuterungen zur Fauna Bras., 1856.
Briefliches aus Mendoza, 1858.
Systematisches Verz. der in den La Plata Staaten beobachteten Vögel, 1860.
Reise durch die La Plata Staaten, 1861.
Contrib. to the Ornithology of the Argentine Republic, 1868.
- CABANIS.
Tschudi's Fauna Peruana, 1845-46.
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[NOTE.—In the nature of the case some of the titles can scarcely be indexed here, and anonymous, pseudonymous, and ephemeral titles are mostly omitted, the intention being mainly to give a ready clue to the Faunal Lists, etc., of the leading geographical areas of Neotropical America. The few *Mexican* titles here given are only those that should have come in the Nearctic list given on a previous occasion. Articles relating to Central and South America at large are grouped together under the first head following. "West Indies" is given; but see also the several islands composing them.]

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Salvadori. Intorno ad alcuni Uccelli di, 1868.

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[*Slater.*] *Salvin and Godman's* operations in, 1862.

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GUIANA.—Continued.

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Hearne. Collection of Birds formed in, 1835.

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Slater. Arrival of Birds from British, 1850.

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Salvin. Fortnight among Sea Birds of, 1864.

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Sloane. Voyage to, 1707-25.

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Hill. Two Bird-skins from, 1844.

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Slater. Additional new Birds from Bogota, 1856.

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- Slater.* New Species of Birds from Bogota, 1856.
Slater. Two new Species of Birds from Bogota, 1856.
Slater. Birds collected by Bridges at David, Chiriqui, 1856.
Slater. Further additions of List of Birds from Bogota, 1857.
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King. New genera and species from Straits of Magellan, 1829, 1831, 1834.

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Durnford. Notes on the Birds of Central, 1878.

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Tschudi. Five papers on animal life in . . . and Chili, 1847.

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Sclater and Salvin. Bartlett's Birds of Eastern, 1873.

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Bryant. Vögel von, 1866.

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zuéla, 1849.

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Slater and Salvin. Four new Birds from, 1868.

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from, 1870.

WEST INDIES. (See, also, the several
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De Laet. Beschrijvinghe van, 1625,
1630, 1633, 1640, (pp. 305, 306).

Labat. Voyage, 1724, (p. 306).

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Croix, etc., 1793, (p. 307).

Rochefort. Histoire des Iles Antilles,
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Stubbs. Observations on the Caribe
Islands, 1667, 1668.

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Taylor, E. C. Five months in the,
1864.

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(p. 309).

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Lawrence. New Birds from Grenada
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Cabot. Three New Birds from, 1843.

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YUCATAN.—Continued.

Cabot. Further Account of Birds of, 1845.

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Sclater. On Birds described by Cabot from, 1852.

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DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY.
F. V. HAYDEN, U. S. GEOLOGIST-IN-CHARGE.

BULLETIN

OF

THE UNITED STATES

GEOLOGICAL AND GEOGRAPHICAL SURVEY

OF

THE TERRITORIES.

VOLUME V.....NUMBER 4.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.

September 30, 1880.

THE
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ZOOLOGY
OF THE
CITY OF BOSTON
1881

BULLETIN

OF THE

UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY
OF THE TERRITORIES.

VOLUME V.

1879.

NUMBER 4.

Art. XXVI.—Third Instalment of American Ornithological Bibliography.

By Dr. Elliott Coues, U. S. A.

The Appendix to the Birds of the Colorado Valley (pp. 567[1]–784[218]), which gives the titles of “Faunal Publications” relating to North America, is to be considered as the *first* instalment of this work.

The *second* instalment occupies pp. 239–330 of this Bulletin, this Vol., No. 2, and similarly gives the titles of “Faunal Publications”, being those relating to the rest of America.

These two instalments represent all that I am at present prepared to publish of titles of this kind, *i. e.*, in “regional” Ornithology.

This present, *third* instalment consists of an entirely different set of titles, namely, those belonging to the “systematic” department of the whole Bibliography.

In this department come the titles of all publications treating of particular species, genera, or families of Birds, systematically arranged *by Families*, in chronological order under each family, with alphabetization of authors' names under each date. The lot of titles herewith presented, however, are only those that relate to *American* species. Of those families which are exclusively American, as, for example, *Mniotiltidae*, *Icteriidae*, *Tanagridae*, *Trochilidae*, etc., I give, of course, all the titles in my possession; but of those families which are more cosmopolitan, as the *Turdidae* or *Fringillidae*, I select only the titles relating to American species; and of extra-limital families no titles whatever are given. Such is the ostensible scope of the present instalment; but I actually give many titles relating to extra-limital species, when the close relationship of such species makes it desirable, or when the insertion of a few such additional titles enables me to present all those that I possess of certain families.

The three instalments together represent a nearly complete Bibliog-
Bull. v, 4—1

raphy of Ornithology so far as *America* is concerned. They are published in this manner in advance of the whole work for several reasons—among others, both to render immediately available certain departments of the Bibliography which are practically completed, and to invite criticism and suggestions for the bettering of the work. I am satisfied that, if I can come anywhere near the standard I have set for myself, I shall have done a very useful thing; and I beg those who are interested in the accomplishment of this undertaking to inform me of any defects they may perceive. In only one particular would I deprecate criticism at present—and this is respecting the *arrangement* of the titles; for the scheme of the work cannot be fairly appreciated until the whole is published, including the several contemplated Indexes.

The portions of the Bibliography now before the public suffice for an estimate of its plan and purpose; but I may add that nothing has yet appeared of several other important departments, such as those of "General and Miscellaneous" publications, of publications in "Anatomy and Physiology", of publications relating to "Birds in Domestication or Captivity", etc. It is not my intention, however, to print any more of the work at present, the *American* departments being the only ones sufficiently perfected to warrant their leaving my hands. But meanwhile I am making manuscript for the rest as rapidly and as continuously as possible.

NOTA BENE: It being absolutely necessary, in this part of the work, to have some fixed standard (no matter what one) for the grouping of species and genera into families, and for the sequence of the families, I have adopted as most convenient the arrangement of *Gray's* HAND-LIST, as far as the *Passeres* are concerned—the limitations of the families in other orders being sufficiently nearly agreed upon by ornithologists. For *Passerine* families, then, the titles have been assorted strictly and exactly according to the composition and sequence of those groups in the work just mentioned.

Hirundinidæ.

[Here only titles additional to those given in "Birds of the Colorado Valley", pp. 378-389, 396-401, *q. v.*]

1769. LAXMANN, E. *Hirundo daurica*, area temporalis rubra, Uropygio luteo rufescente. < *Köngl. Srensk. Vetensk.-Acad. Handl.*, xxx. 1769, pp. 209-213, pl. vii.
 1774. WHITE, G. Account of the House Martin, or Martlet. < *Philos. Trans.*, lxiiv, pt. i, 1774, pp. 196-201.

Habits of *Chelidon urbica*.

This celebrated memoir is curiously misquoted in Carus and Engelmann. *Bibl. Zool.*, ii, 1861, p. 1375, as if referring to the mammal *Mustela foina*, known as the "Marten". Gill and Cones perpetuate the blunder in *Monogr. N. A. Rodentia*, 1877, App., p. 1005, by transcription of the title into their *Bibl. of N. A. Mammals*. Cones exaggerated it in his *Fur-bearing Animals*, 1877, p. 77, by making out *Mustela foina* to have been instituted by Gilbert White, as above! The funny mistake is shown up by Alston, *P. Z. S.*, 1879, p. 469. The title is correctly cited by Cones in *Birds Colorado Valley*, 1878, p. 396; as it is also by Giebel, *Thes. Orn.*, p. 145.—It is hard to teach some people to verify quotations!

On the same page of Carus and Engelmann, 6 lines higher up, occurs a no less singular mistake: John Hunter's account of the "Free Martin" (a local name for cattle with a certain malformation) being cited as if relating to some species of *Mustela*. Again, on p. 1345, same work, a paper on the anatomy "of a male Otter", *Lutra maris* (in the genitive), is allocated with *Enhydryis*, as if it were *Lutra maris*, "of a Sea Otter".

1789. CARLSON, G. V. Anmärkningar om Svalor. < *Köngl. Vetensk.-Acad. Nyt Handl.*, x, 1789, pp. 315-317.

1809. REEVE, H. An | Essay | on | the Torpidity | of | Animals. | By Henry Reeve, M. D. | Member of the Royal College of Physicians of | London, and Fellow of the Linnean Society. | — | [Quotation.] | — | London : | Printed for Longman, Hurst, Rees, and Orme, | Paternoster Row, | by Richard Taylor & Co. Shoe Lane. | — | 1809. 1 vol. 8vo. pp. iii-viii, 1-152.

P. 39. "Here a curious question arises respecting the disappearance of birds." And the author goes on to discuss the alleged hibernation of Swallows. Cf. *Philos. Mag.*, xxxv, 1810, p. 241.

1813. FORSTER, T. Observations | on the | Brymal Retreat | of the Swallow. | — | To which is annexed | a copious Index | to many passages relating to this bird, | in the works of ancient and modern authors. | — | By | Thomas Forster, F. L. S. | Author of | "Researches about atmospheric Phenomena," etc. | — | Third edition, corrected and enlarged. | — | London : | Printed by J. Moyes, Greville Street, Hatton Garden ; | for Thomas Underwood, 32, Fleet Street, | and 40 West Smithfield. | — | 1813. 8vo. pp. i-xiv, 1-46.

See other editions, of 1814 and 1817.

1814. FORSTER, T. Observations | on the | brymal retreat | of the | Swallow. | — | To which is annexed | a copious index | to many passages relating to this bird, | in the works of ancient and modern authors. | — | By Thomas Forster, F. L. S. | Author of [etc.] | — | Fourth Edition, corrected and enlarged. | [This Edition is not published separately.] | 1814. < *The Pamphleteer*, iv, 1814, pp. 431-462.

This and two others are the only editions I have been able to lay hands on, of this rather notable paper; as stated in the title, the present edition is not issued separately. I give eds. of 1813 and 1817, and find another quoted of 1817. In the present, the author alludes to three earlier editions. The treatise in its present shape seems to be materially modified, with a new preface; besides which, it consists of the original (?) preface, pp. 433-438, observations, etc., 439-454, appendix, 455-459, giving first and latest appearance of Swallows near London for several years; and of index, 460-462, of passages relating to history of the Swallow in various works, ancient and modern, and the names of Swallows in many different languages. (He derives Swallow, as usual, from A. S. *swelgan*, to swallow, and says the Greek "is supposed to have come either from *χειλη* *doveiv* quod scil. labia agitet, vel quod *χειλεσιν* *ᾄδει* labiis canit" — in which he differs from other authority. The latin supposititious derivation, ab *hærendo*, from the adhesive nests, seems to me very far-fetched.) Cf. *Birds Col. Vall.*, i, 1878, pp. 369-371.

- 1816? ANON. The | Swallows : | or, | Observations & Reflections | upon | Their Late Assemblage | at Rotherham, | and their | subsequent departure. | — | [Quotation, 4 lines.] | — | Albion Press: | Printed and Sold by T. Crookes, Rotherham ; | sold also by [etc. 3 lines]. [n. d. 1816?] 1 vol. 16mo. pp. i-viii, 9-35.

Anonymous: preface dated Clifton Cottage, Dec. 1815.—A sermon by a clergyman to his parishioners, on the wisdom and goodness of God as illustrated by the habits of *Hirundinidæ*.

1817. FORSTER, T. Observations | on the | Brymal Retreat | of the | Swallow ; | with | a copious reference | to passages relating | to this subject, | in different authors. | — | By Thomas Forster, F. L. S. | [etc.] | — | Fifth Edition. | — | London : | Printed by J. Moyes, Greville Street ; | for Thomas and George Underwood, | 32, Fleet street. | — | 1817. 8vo. pp. i-xiv, 1-46.

Substantially the same as, if not identical with, the 4th ed., published in *The Pamphleteer*, iv, 1814, pp. 431-462, *q. v.*

"I do not mean to say that swallows may not have occasionally been found under water; for it is well known that they have; . . . but I should certainly attribute their being found in such situations to mere accident; . . . they have sometimes been taken out of the water, in winter, in a torpid state, . . . they have likewise been found concealed in the crevices of rocks, in holes in old decayed trees, in old ruined towers, and under the thatch of houses."

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With synonymy of this and *D. cayana*.
1852. GIRAUD, J. P., JR. Description of a new Species of Helinai [sic;—*H. brevipennis*]. < *Ann. Lyc. Nat. Hist. New York*, v, 1852, p. 40, pl. iii, fig. 1.
Read Oct. 8, 1850.—(It is a species of *Dacnis*, near *speciosa* Max.)
1852. SCLATER, P. L. X.—On certain species of Dacnis. < *Jard. Contrib. Orn.*, 1852, pp. 101, 102, pl. xciii.
D. speciosa Maxim., pl. xciii, fig. 1; *D. plumbea* (Lath.). The second fig. of the pl. is *D. cærbicolor* (Scl.).
1854. SCLATER, P. L. On two New Species of Dacnis, and on the General Arrangement of the Genus. < *P. Z. S.*, xxii, Nov. 28, 1854, pp. 251, 252.
Dacnis hartlaubi, *D. egregia*, p. 251, spp. nn. List of 9 spp. of the genus. (See especially *Ibis*, 1863, pp. 311-317.)
1856. SCLATER, P. L. On two New Species of Dacnis, and on the General Arrangement of the Genus. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 62, 63.
From *P. Z. S.*, Nov. 28, 1854, pp. 251, 252, q. v.
1860. [ANON.] [Notiz über Arbelorhina cærulea Cab.] < *Zool. Gart.*, i, 1860, p. 144.
1863. SCLATER, P. L. Synopsis of the known Species of Dacnis. < *Ibis*, v, 1863, pp. 311-317, pl. vii.
12 spp.—A general account of the genus, including synonymy, diagnosis, and habitat of the species; none new. The plate represents *D. venusta* Lawr. (Cf. *Cont. Orn.*, 1851, p. 106 et seq.; *P. Z. S.*, 1854, pp. 251, 252.) *D. hartlaubi* Scl., *P. Z. S.*, 1854, p. 251, is a *Calliste*.
1864. CASSIN, J. Notes of an Examination of the Birds of the Subfamily Coerebinæ. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 265-275.
7 gen. (with numerous subgen.), 44 spp.—*Cyanodacnis*, p. 268; *Polidacnis*, p. 269; *Eudacnis*, *Atalcodacnis*, p. 270; *Hemidacnis*, p. 271; *Tephrodiglossa*, p. 273; *Pyrrhodiglossa*, *Cyanodiglossa*, *Melanodiglossa*, p. 274, subgen. nn. *Chlorophanes cærulescens*, *C. melanops*, p. 269, subspp. nn. The matter is descriptive and critical, with some synonymy.

1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Caeræbidae, Tanagridæ, Icteridæ, and Scolopacidae. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 106-108.

Dacnis ultramarina, p. 106.

1870. SUNDEVALL, C. J. Öfversigt af släktet Certhiola. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1869, 1870*, pp. 619-625.

I. Speculo alarum albo ornata. a) Uropygio pure flavo. 1. *flaveola*, 2. *bairdii*, 3. *Siti Thomæ*, 4. ex Minas Geraes, 5. *luteola*, 6. *major*, 7. *columbiana*, 8. *minor*. b) Plaga uropygii virescente, indefinita. 9. *bartholemica*, 10. *portoricensis*, 11. *mexicana*, 12. *peruviana*. II. Speculo alari nullo. a) Plaga uropygii virescente, indefinita. 13. ex insula St Croix, 14. *dominicana*, 15. *chloropyga*, 16. *guianensis*, 17. *majuscula*, 18. *albigula*, 19. *bahamensis*. b) Plaga uropygii lata, definita, pure flava. 20. *minima*.

1871. FINSCH, O. Monographie der Gattung Certhiola. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xxi, 1871, pp. 739-790, pl. iv.

This is a very complete and workmanlike monograph, in which, after general considerations and an account of the genus, the ten species recognized by the author are treated at full length, with copious synonymy, description, and criticism. Finsch recognizes *CC. bahamensis*, *flaveola*, *portoricensis*, *bartholemica*, *luteola*, *clusiae* (v. Würt., sp. n.), *mexicana*, *chloropyga*, *dominicana*, *martinicana*, as valid, with *C. minor* Bp., *Muscicapa melanozantha* Sparrm., and *Certhia trochlea* Sparrm., as dubious, and adds a note on *Certhiola caboti* Bd. MS. A map shows the geographical distribution of the species.

1871. [SAUSSURE, H. DE.] Les Diglossas [Cærebidae]. < *La Nature*, ii, 1871, pp. 28, 29.

Sobre las costumbres.

1873. BERLEPSCH, H. [Arten des Genus Dacnis.] < *J. f. O.*, 1873, pp. 68-70.

5 subgen., 12 spp.

1873. CABANIS, J. [Ueber Xenodacnis parina, gen. sp. n., des Berliner Museums, von C. Jelski in Peru entdeckt.] < *J. f. O.*, 1873, pp. 311, 312, pl. iv, f. 1, 2.

1875. SCLATER, P. L. Synopsis of the Species of the Subfamily Diglossinae. < *Ibis*, 3d ser., v, 1875, pp. 204-221, pll. iv, v.

Chars., syns., hab., and criticism of 15 spp. *Diglossa*, 1 sp. *Diglossopsis*. Pl. iv, *Diglossa pectoralis*; pl. v, *D. albilateralis* ♂ ♀.

1878. ANON. Poaching Birds. < *The Country*, ii, June 1, 1878, p. 89.

Ingenuity of *Certhiolæ*, etc., in procuring food. From *Nature*.

Anabatidæ.

[The genus *Sitta* is ranged in this family by Gray, and I give all the titles I possess relating to it.]

- 1819-21? LICHTENSTEIN, H. Ueber die Gattung *Dendrocolaptes*. <Abhandl. Berlin. Akad., 1818-19, Phys. Klasse, pp. 197-210; 1820-21, pp. 258-266, pll.

I have not seen this, the original edition of the memoir, which, however, reappears in a manner in *Isis*, 1824, pp. 615-619, q. v.

1824. LICHTENSTEIN, H. [Ueber die Gattung *Dendrocolaptes*.] <*Oken's Isis*, Jahrg. viii, 1824, pp. 613-619.

Auszug aus *Abh. k. Acad. Wiss. Berlin* für die Jahre 1818 und 1819, pp. 197-210. In dem Bande für 1820 und 1821 lieferte der Verfasser eine Fortsetzung. *D. decumanus, squamatus, bivittatus, erythacus*, spp. nn.—Der Verfasser ordnet nun 18 Arten, mit Synonymik, Diagnostik und Lokale.

1829. BREE, W. T. Nuthatch. <*Loudon's Mag. Nat. Hist.*, ii, 1829, p. 243, fig. 69.

On the habits of *Sitta europæa*.

1829. "H. S." On the Manners of the Nuthatch [*Sitta europæa*]. By H. S. With a Note by W. Swainson, F. R. S., &c. <*Loudon's Mag. Nat. Hist.*, i, 1829, pp. 328-330, figg. 162, 163.

1831. BREE, W. T. The Nuthatch [*Sitta europæa*] in the Neighbourhood of Bedford. <*Loudon's Mag. Nat. Hist.*, iv, 1831, p. 275.

1831. WHITE, W. H. The Nuthatch (*Sitta europæa*.) <*Loudon's Mag. Nat. Hist.*, iv, 1831, pp. 465, 466.

Habits and nidification.

1832. "J. D[ENSON?]." The Nuthatch, *Sitta europæa*, L. <*Loudon's Mag. Nat. Hist.*, v, 1832, p. 591.

1832. LAFRESNAYE, F. DE. Anabate. Anabates. Temm. <*Guér. Mag. de Zool.*, 2^e année, 1832, classe ii, notice viii, pl. 8.

Anabates aradoïdes, pl. viii, sp. n.

1832. NEWMAN, E. The Nuthatch (*Sitta europæa* L.) is resident throughout the Year [in various parts of England]. <*Loudon's Mag. Nat. Hist.*, v, 1832, p. 488, fig. 97, with notes by "J. D[enson?].", pp. 488, 489, and "J. M.", p. 489.

1833. LAFRESNAYE, F. DE. Sur le Fourmilier a long Bec. Cuv. Gal. du Muséum. <*Guér. Mag. de Zool.*, 3^e année, 1833, classe ii, notice x, pl. x.

Myiothera longirostris Cuv. = *Thamnophilus caudacutus* V. = *Myiothera caudacuta* Lafr., pl. 10. (The species belongs to the genus *Sclerurus*.)

1833. LAFRESNAYE, F. DE. Picucule. *Dendrocolaptes*. Herm. P. rubiginoux. D. rubiginosus. De Lafresnaye. <*Guér. Mag. de Zool.*, 3^e année, 1833, classe ii, notice xvi, pl. xvi.

1833. LAFRESNAYE, F. DE. Picucule. *Dendrocolaptes*. Herm. P. a bec en coin. D. cuneatus. Licht. Catal. p. 17. <*Guér. Mag. de Zool.*, 3^e année, 1833, classe ii, notice xvii, pl. xvii.

1837. S[ELBY], P. J. *Sitta europea* [in Cornwall]. <*Mag. of Zool. and Bot.*, i, 1837, p. 103.

1838. SIEMUSZOWA-PIETEUSKI, S. K. v. Nutzen der Spechtmeise (*Sitta europæa*), durch die Vertilgung der Borkenkäfer beobachtet . . . <*Arch. f. Naturg.*, 1838, (1), p. 48.

1842. LAFRESNAYE, [F.] DE. G. *Acanthisitta*. *Acanthisitta*. De Lafr. <*Guér. Mag. de Zool.*, 2^e sér., année 1842, Oiseaux, pp. 1, 2, pl. 27.

Acanthisitta g. n. = *Acanthisa (tenuirostris)*, *Rev. Zool.*, 1841, p. 242.

1843. ATKINSON, J. C. Note on the Habits of the Nuthatch [*Sitta europæa*]. <*Zoologist*, i, 1843, pp. 213-215.

1843. LAFRESNAYE, [F.] DE. G. Picueule. *Dendrocolaptes*. Cuvier. P. a taches triangulaires. *D. triangularis*. De Lafr., *Rev. Zool.*, 1842. p. 134. <*Guér. Mag. de Zool.*, 2^e sér., année 1843, Oiseaux, pp. 1, 2, pl. 32.
1843. ROSS, H. J. [Occurrence of *Sitta europæa* at Kaiparíah.] <*P. Z. S.*, xi, 1845. p. 122.
1844. LAFRESNAYE, [F.] DE. G. *Dendrocolaptes*. *D. Perrotii*. Lafresnaye. <*Guér. Mag. de Zool.*, 2^e sér., année 1844, Oiseaux, pp. 1, 2, pl. 54.
Rev. Zool., 1844. p. 80.
1846. MOSLEY, O. Remarks on the Nuthatch [*Sitta europæa*]. <*Zoologist*, iv, 1846. pp. 1498, 1499.
1847. LAFRESNAYE, F. DE. [Notice du genre *Dendrocolaptes*, à propos de la monographie dont il nous donne l'avertissement.] <*Revue Zoologique*, x, 1847. pp. 209-211.
1849. LAFRESNAYE, F. DE. Monographie du genre *Dendrocolaptes*. <*Rev. et Mag. Zool.*, i, 1849, pp. 328-331.
Ici seulement l'aperçu général du sujet. Voir *op. cit.*, ii, 1850, et iii, 1851.
1850. [JARDINE, W.] *Synallaxis flammulatus*, Jard. [n. sp.] <*Jard. Contrib. Orn.*, 1850, p. 82, pl. lvi.
- 1850-51. LAFRESNAYE, F. DE. Essai d'une monographie du genre Picueule (Buffon), *Dendrocolaptes* (Hermann, Illiger), devenu aujourd'hui la sous-famille *Dendrocolaptinae* (Gray, Genera of birds), de la famille *Certhiidae* de Swains. <*Rev. et Mag. Zool.*, ii, 1850, pp. 95-104, 145-154, 275-285, 369-388, 417-426. 588-598; iii, 1851, pp. 145-147, pl. 4. 317-329, 465-470, 590, 591.
Dendrocolaptes, 6 esp. *D. simpliciceps*, p. 100; *D. derillei*, p. 102, spp. nn.—*Picolaptes*, 11 esp. *P. lineaticeps*, p. 271, sp. n.—*Xiphorhynchus*, 5 esp. *X. procurroides*, p. 376, sp. n.—*Nasica*, 14 esp. *N. guttatoidea*, p. 387; *N. beauperthuyi*, p. 419; *N. dorbignyanus*, p. 420, spp. nn.—*Sittasomus*, 4 esp. *S. amazonus*, p. 590, sp. n.—*Glyphorhynchus*, 1 esp.—*Dendroplex*, 2 esp.—*Dendrocolaptes temminckii*, p. 145, pl. 4.—*Dendrocops*, 11 esp. *D. tyranninus*, p. 328; *D. meruloides*, p. 467, spp. nn.—*Dendrexetastes*, 1 esp.
1851. EYTON, T. C. Description of some New Species and a New Genus of *Dendrocolaptinae*. <*Jard. Contrib. Orn.*, 1851, pp. 75-77.
Dendrocolaptes multistrigatus, *Picolaptes validirostris*, p. 75; *P. atripes*, *Dendrexetastes* (g. n.) *capitoides*, p. 76.
1851. EYTON, T. C. Descriptions of two New Species of *Synallaxis* [sic]. <*Jard. Contrib. Orn.*, 1851, p. 159, pl. lxxxi*.
S. olivaceus [sic]. *S. modestus*.
1852. EYTON, T. C. Remarks on *Dendrocolaptinae*, with descriptions of Two New Genera and Species. <*Jard. Contrib. Orn.*, 1852, pp. 21-26.
Drymornis, *Drymornis*, p. 23, genn. nn. *Dendrocops olivaceus*, p. 25; *Picolaptes notatus*, p. 26, spp. nn.
1853. LAFRESNAYE, F. DE. Mélanges Ornithologiques. <*Rev. et Mag. de Zool.*, v, Nov., 1853, pp. 490-493.
Sur l'*Anabates squamiger*, type d'un nouveau genre *Anabasitta*, p. 492.
1853. SCLATER, P. L. On a new species of *Dendrocolaptes* [eytoni]. <*P. Z. S.*, xxi, 1853, pp. 68, 69, pl. (Aves) lvii.
1855. SCLATER, P. L. On a [lately] new species of *Dendrocolaptes* [eytoni]. <*Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 223, 224.
From *P. Z. S.*, 1853, pp. 68, 69.
1856. SCLATER, P. L. On some New or Imperfectly-known Species of *Synallaxis*. <*P. Z. S.*, xxiv, 1856, pp. 97-99.
3 spp. *S. spizi*, *S. caniceps*, p. 98, spp. nn. The third sp. is *S. ruficapilla* V.
1857. ANTINORI, O. Einige Bemerkungen über das Nest von *Sitta syriaca*. <*Naumannia*, vii, 1857, pp. 429-431.
1857. HADFIELD, H. W. Note on the European Nuthatch (*Sitta europæa*). <*Zoologist*, xv, 1857, pp. 5684, 5685.

1857. SCLATER, P. L. On some New or Imperfectly-known Species of Synallaxis. <Ann. Mag. Nat. Hist., 2d ser., xix, 1857, pp. 179-181.
From *P. Z. S.*, April 22, 1856, pp. 97-99, q. v.
1857. SCLATER, P. L. Further Additions to the List of Birds received in Collections from Bogota. <*P. Z. S.*, xxv, 1857, pp. 15-20.
The article is a briefly annotated list of 52 spp., among which two new *Anabatidæ* are described, namely, *Anabates striaticollis* and *Sclerurus brunneus*, p. 17.
1857. SCLATER, P. L. On two [lately] new Species of Birds from Bogota. <*Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, p. 472.
Anabates striaticollis, *Sclerurus brunneus*, the descriptions of which are here extracted from a paper of wider scope in *P. Z. S.*, Jan. 27, 1857, pp. 15-20.
1859. PELZELN, A. V. Ueber neue Arten der Gattungen Synallaxis, Anabates und Xenops in der Kaiserlichen ornithologischen Sammlung, nebst Auszügen aus J. Natterer's nachgelassenen Notizen über die von ihm in Brasilien gesammelten Arten der Furnariinæ und Synallaxinæ. <*Sitzungsber. der Wien. Akad., math.-nat. Classe*, xxxiv, 1859, pp. 99-134.
Not seen.
1859. SCLATER, P. L. On some New Species of Synallaxis, and on the Geographical Distribution of the Genus. <*P. Z. S.*, xxvii, 1859, pp. 191-197.
S. pudica, *S. stictothorax*, *S. scutata*, p. 191, spp. un. List of 41 spp., with localities, and mention of 18 others.
1859. SCLATER, P. L. On a [lately] new species of Synallaxis [antisiensis] from the Republic of Ecuador. <*Ann. Mag. Nat. Hist.*, 3d ser., iii, 1859, p. 448.
From *P. Z. S.*, Nov. 9, 1858, p. 437, where the species is named among others in a paper of more extended scope.
1860. HEINE, F. Beschreibung eines neuen Riesen-Baumbackers (Xiphocolaptes [fortis] Less.). <*J. f. O.*, vii, 1860, pp. 185, 186.
1860. REINHARDT, J. Notits om Skægten Malacurus Rehb. og de dertil hørende Arter. <*Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn* 1859, 1860, pp. 103-105.
M. rufifrons (Ill.), *M. obsoletus*, sp. n., p. 105. *M. striaticeps* (d'Orb. et Lafr.) og *M. ruber* (Vieill.).
1860. SCLATER, P. L. On some [lately] New Species of Synallaxis. <*Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, p. 332.
From *P. Z. S.*, May 10, 1859, pp. 191-197, q. v.
1861. KRÜPER, T. Ueber Sitta syriaca in Griechenland. <*J. f. O.*, ix, 1861, pp. 129-132.
1863. NEWTON, A. On a New Bird from the Island of Madagascar [Hypherpes (n. g.) corallirostris]. <*P. Z. S.*, xxxi, 1863, p. 85, pl. xiii.
1864. PHILIPPI, R. A., and LANDBECK, L. De las Alondras [sc. Anabatidæ] Chilenas. <*Anal. Univ. Chile*, xxv, Set. de 1864, pp. 409-418.
A subtitle of a paper of more extended scope.—Six species are treated, among which *Certhilauda frobeni*, p. 411; *C. isabellina*, p. 412; and *Geobamon fasciatus*, p. 415, are described as new. The matter reappears in a German version in *Arch. f. Naturg.*, 1865, Bd. i, pp. 58-73, q. v.
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridæ, Dendrocolaptidæ, Formicaridæ, Tyrannidæ, and Trochilidæ. <*Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.
The *Dendrocolaptidæ*=*Anabatidæ* here described are *Philydor rufobrunneus*, p. 127; *Anabazenops lineatus*, p. 127; *Margarornis rubiginosa*, *M. guttata*, p. 128; *M. brunneicauda* (proband.), p. 130.
1865. PHILIPPI, R. A., and LANDBECK, L. Die Lerchen [sc. Anabatidæ] Chiles. <*Arch. f. Naturg.*, 1865, Bd. i, pp. 58-73.
A subtitle of a paper having a more extended scope.—The birds treated are not Larks, or *Alaudidæ*, to which they have some superficial resemblance, but *Anabatidæ* of Gray's arrangement. They are six in number, namely: *Geositta cunicularia* (V.) Bp., *Certhilauda frobeni* P. & L., p. 62; *C. isabellina* P. & L., p. 63; *Geobamon rufipennis* Burm., *G. fasciata* P. & L., p. 68; *Certhilauda nigrofasciata* Lafr. Cf. *Zool. Rec.* for 1865, pp. 102, 103.—The article originally appeared in Spanish in *Anal. Univ. Chile*, xxv, 1864, pp. 409-418, q. v.

1865. SCLATER, P. L. Notes on Krüper's Nuthatch and on the other known Species of the Genus *Sitta*. <*Ibis*, 2d ser., i, 1865, pp. 306-311, pl. vii.
12 spp., with critical, descriptive, and geographical annotation. The pl. represents *S. krueperi* (cf. *P. Z. S.*, 1864, p. 433). *S. aculeata* Cass. is disallowed.
1866. SCLATER, P. L. Note on the Genus *Geobates* of Swainson. <*P. Z. S.*, Apr. 24, 1866, pp. 204, 205, pl. xxi.
The only known species, *Anthus pœcilopterus* Max., *Beitr.*, ii, p. 633, which = *Geobates brevicauda* Sw., *An. in Menag.*, 1838, p. 322, is described and figured, with extracts from Natterer's MS. concerning it, under the name of *Geobates pœcilopterus*. *Geobamon rufipennis* Burm. (*J. f. O.*, 1860, p. 465) "seems to be somewhat allied".
1867. MOOR, A. C. Nesting of the Nuthatch [*Sitta europæa*]. <*Zoologist*, 2d ser., ii, 1867, pp. 559, 560.
1868. CLIFTON, Lord. Nuthatch in Ireland [*Sitta europæa*]. <*Zoologist*, 2d ser., iii, 1868, p. 1134.
1868. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidæ, Strigidæ, and Columbidae. <*P. Z. S.*, xxxvi, 1868, pp. 53-60, pl. v, woodc.
Dendrocincla ruficeps, p. 54; *Dendrocolaptes puncticollis*, p. 54, pl. v, woodc.; synopses of these genera.
1868. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American, Birds of the Families Fringillidæ, Oxyrhamphidæ, Bucconidæ, and Strigidæ. <*P. Z. S.*, xxxvi, 1868, pp. 322-329.
Oxyrhamphus frater, p. 326, sp. n.
1869. SCLATER, P. L. On Two new Species of Synallaxis. <*P. Z. S.*, xxxvii, 1869, pp. 636, 637, pl. xlix.
Synallaxis curtata, p. 636, pl. fig. 1; *Leptasthenura andicola*, p. 636, pl. fig. 2.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopaciidæ. <*P. Z. S.*, xxxvii, 1869, pp. 416-420, pl. xxviii.
Synallaxis arequipacæ, p. 417.
1870. GURNEY, J. H. Nest of a Nuthatch [*Sitta europæa*]. <*Zoologist*, 2d ser., v, 1870, p. 2224.
1871. BOND, F. Singular nesting of the Nuthatch [*Sitta europæa*] at East Grinstead, Sussex. <*Zoologist*, 2d ser., vi, 1871, pp. 2850, 2851.
1871. SCLATER, P. L. Remarks on some Species of Dendrocolaptidæ in the Collection of the Smithsonian Institution. <*P. Z. S.*, xxxix, 1871, pp. 85, 86.
Critical observations on *Synallaxis candori*, *Anabates ochroleucus*, *A. montanus* (both of which are referred to *Philydor*), and *Dendrocolaptes chuncotambo* (= *Dendroornis ocellata*).
1872. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera *Icterus* and *Synallaxis*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1872, pp. 184-186.
The Anabatoid is *S. maculata*, p. 186, from Tumbe, Peru.
1872. MEYER, R. Ueber den Nestbau des Kleibers oder der Spechtmeise. (*Sitta caesia* Wolf.). <*Zool. Gart.*, xiii, 1872, pp. 238-241.
1874. SCLATER, P. L. On the Species of the Genus *Synallaxis* of the Family Dendrocolaptidæ. <*P. Z. S.*, xlii, 1874, pp. 2-28, pll. ii, iii, iv.
Very full. Bibliographical summary. Synonymy, diagnosis, and criticism. 58 spp. + 4 spp. doubtful, in 2 sections, rectric. 10 or 12.—*S. hypospodia*, *S. subpudica*, p. 10; *S. hudsoni*, p. 25, spp. nn.—Pl. ii, f. 1, *S. stictothorax*; f. 2, *S. scutata*. Pl. iii, f. 1, *S. kollari*; f. 2, *S. candori*. Pl. iv, f. 1, *S. subcristata*; f. 2, *S. hyposticta*.
1874. SCLATER, P. L. Descriptions of three new Species of the Genus *Synallaxis*. <*P. Z. S.*, xlii, 1874, pp. 445-447, pl. lviii.
S. pudibunda, p. 445, pl. lviii, f. 1; *S. graminicla* Jelski, MS., p. 446, pl. f. 2; *S. virgata* Jelski, MS., p. 446.

1876. COUES, E. Letters on Ornithology. No. 8.—Nuthatches [Sitta]. < *The Chicago Field*, Dec. 16, 1876, figg. 2.
General account of the North American species, with figg. of the heads of *S. carolinensis* and of *S. pygmæa*.
1878. HARDY, MANLY. Nesting Habits of the Red-bellied Nuthatch [Sitta canadensis]. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 196.
Good original observations on a subject none too well known before.
1879. DOWSE, W. B. The White-bellied Nuthatch [Sitta carolinensis] concealing Food. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 61.
1879. [WILLARD, S. L.] [Field] Notes on Sitta canadensis. < *The Oölogist*, v, No. 2, Aug., 1879, p. 15.
1879. [WILLARD, S. L.] Nest of the White-bellied Nuthatch (Sitta carolinensis). < *The Oölogist*, iv, No. 9, Apr., 1879, p. 65.

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1871. TUCK, J. G. Wren's [*Anorthura troglodytes*] Nest on a Pulpit. < *Zoologist*, 2d ser., vi, 1871, p. 2641.
1872. GIZYCKI, —. [*Troglodytes parvulus* im Käfig nistend.] < *J. f. O.*, xx, 1872, p. 317.
1873. T[RIPPE], T. M. Occurrence of the Rock Wren [*Salpinctes obsoletus*] in Iowa. < *Am. Nat.*, vii, 1873, p. 566.
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1875. SWINHOE, R. [On the identity of *Troglodytes alasensis* Baird with *T. fumigatus* Temm.] < *Ibis*, 3d ser., v, 1875, pp. 143, 144.
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Note of its considerable numbers in New Jersey.
1876. COOPER, J. G. Nesting Habits of the Californian House Wren (*Troglodytes ædon* var. *parkmanni*). < *Bull. Nutt. Ornith. Club*, i, No. iv, Nov., 1876, pp. 79-81.
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1876. COUES, E. Tarsal Envelope in *Campylorhynchus* and allied genera. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, pp. 50, 51.
Verifying the statements of S. F. Baird (*Rev. Am. Birds*, 1864, p. 109) respecting the tarsal envelope of *Salpinctes*, and extending observations to *Campylorhynchus*, finding that in the latter "the lateral plates, but especially the outer one, are broken up into a series of conspicuous scutella; and that *Catherpes* shows a tendency, not so fully expressed, to similar division of the tarsal envelope". In the tarsus of a species of *Thamnophilus*, a typical Formicarian, "the plates are divided behind, and the general structure is substantially the same as in *Salpinctes*". The question of the systematic position of these genera is thus raised. "These points may not suffice for the summary dismissal of the genera under consideration from the *Troglodytidae*, but they go to show that their position in that family is not assured."
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1876. MINOT, H. D. The Great Carolina Wren [*Thryothorus ludovicianus*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. 3, Sept., 1876, p. 76.
1877. ALLEN, J. A. Nest and Eggs of the Alaskan Wren [*Anorthura troglodytes alasensis*]. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 82.
1877. DURY, C. Fecundity of the Carolina Wren (*Thryothorus ludovicianus*). < *Bull. Nutt. Ornith. Club*, ii, No. 2, Apr., 1877, p. 50.
1877. FRAZER, A. W. Persistency at Nest-Building in a House Wren [*Troglodytes domestica* Bartr.]. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 78.
1877. [SCOTT, W. E. D.] Notes on Habits of the Long-billed Marsh Wrens [*Telmodytes palustris*]. < *The Country*, i, Nov. 17, 1877, p. 43.

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1879. BICKNELL, E. P. The Carolina Wren [*Thryothorus ludovicianus*] breeding in New York. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 183, 184.
1879. DEANE, R. Breeding of the Winter Wren [*Anorthura troglodytes hyemalis*] at Houlton, M[ain]e. < *Bull. Nutt. Ornith. Club*, iv, No. 1, 1879, pp. 37-39.
Three cases fully described.
1879. DEANE, R. The Great Carolina Wren [*Thryothorus ludovicianus*] breeding on Long Island, N. Y. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 184.
1879. PURDIE, H. A. The Great Carolina Wren [*Thryothorus ludovicianus*] in Connecticut. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 61.

Lusciniidæ.[Includes *Saxicola*, *Sialia*, and *Regulus*.]

1834. COUCH, J. The Habits of the Wheatear (*Motacilla* [*Saxicola*] *Œnanthe*).
 < *London's Mag. Nat. Hist.*, vii, 1834, pp. 466, 467.
1846. REECE, G. Singular variety of the Wheatear (*Motacilla* [*Saxicola*] *Œnanthe*).
 < *Zoologist*, iv, 1846, p. 1496.
1848. HUSSEY, A. Note on the Wheatears (*Sylvia* [*Saxicola*] *Œnanthe*). < *Zoologist*,
 vi, 1848, p. 2298.
1849. THORNCROFT, T. Arrival of the Wheatear (*Sylvia* [*Saxicola*] *Œnanthe*) at
 Brighton. < *Zoologist*, vii, 1849, p. 2412.
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cola] *Œnanthe*). < *Zoologist*, viii, 1850, p. 2923.
1850. [KIRTLAND, J. P.] The Blue Bird [*Sialia sialis*]. < *The Family Visitor*, i, No. 7,
 1850, p. 55.
 Popular account.
1858. GOULD, J. [Exhibition of a specimen of the American *Regulus calendula* shot
 on Loch Lomondside by Dr. Dewar.] < *P. Z. S.*, xxvi, 1858, p. 290.
1862. CUPER, W. Occurrence of the Stone Chat (*Saxicola œnanthe*, Bechst.) at
 Beauport, near Quebec. < *Canad. Nat. & Geol.*, vii, 1862, p. 319.
1862. MORE, A. G. Early Arrival of the Wheatear [*Saxicola œnanthe*, Mar. 7, in
 Bembridge]. < *Zoologist*, xx, 1862, p. 7998.
1863. SAVILLE, S. P. A Word for the Stonechat [*Saxicola œnanthe*]. < *Zoologist*, xxi,
 1863, p. 8819.
1863. SAXBY, H. Two Wheatears [*Saxicola œnanthe*] Nests together. < *Zoologist*,
 xxi, 1863, pp. 8719, 8720.
1864. DUTTON, J. Wheatear [*Saxicola œnanthe*] near Eastbourne in March. < *Zo-*
ologist, xxii, 1864, p. 9041.
1864. HARTING, J. E. Wheatears [*Saxicola œnanthe*] in March. < *Zoologist*, xxii,
 1864, p. 9108.
1864. HARVIE-BROWN, J. A. Early Appearance of the Wheatear [*Saxicola œnanthe*].
 < *Zoologist*, xxii, 1864, p. 9108.
1864. PAMPLIN, W. Wheatears [*Saxicola œnanthe*] in March [in North Wales]. < *Zo-*
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1869. FISH, W. C. The Blue-bird [*Sialia sialis*]. < *Am. Nat.*, ii, 1868, pp. 667, 668.
 Dates of its appearance on the coast of Massachusetts.
1869. HALDEMAN, S. S. Citation of Authorities. < *Am. Nat.*, iii, 1869, p. 159.
 Claims the name *Sialia sialis*, usually accredited to S. F. Baird.
1869. INGERSOLL, E. Variation in Bluebirds' [*Sialia sialis*] Eggs. < *Am. Nat.*, iii, 1869,
 pp. 391, 392.
 White eggs of this species.
1869. WONFOR, T. W. Variety of the Wheatear [*Saxicola œnanthe*]. < *Zoologist*, 2d
 ser., iv, 1869, p. 1918.

1870. ALLEN, J. A. The Ruby-crowned Kinglet [Regulus calendula]. <Am. Nat., iv, 1870, p. 54.

With reference to possession of scarlet on the crown by ♀ of this species.

1870. COUES, E. The Ruby-crowned Wren [Regulus calendula]. <Am. Nat., iv, 1870, p. 316.

Replies to J. A. Allen (*tom. cit.*, 54) that this species ♀ is "ruby-crowned" like the ♂.

1870. DALL, W. H. The Ruby Crowned Kinglet [Regulus calendula]. <Am. Nat., iv, 1870, pp. 376, 377.

Note on *Regulus calendula* ♂, and on certain *Anatine*.

1870. GATCOMBE, J. Early Appearance of the Wheatear [Saxicola oenanthe]. <Zoologist, 2d ser., v, 1870, p. 2100.

1871. TRISTRAM, H. B. Notes on Sylviads. <Ann. Mag. Nat. Hist., 4th ser., viii, 1871, pp. 28, 29.

Treats of 4 spp.—*Phyllopneuste major*, p. 29, sp. n.

1871. TRISTRAM, H. B. [Critical notes on certain Sylviidae.] <Ibis, 3d ser., i, 1871, pp. 109, 110.

Phyllopneuste schwartzi Radde = *P. viridanus* Blyth = *Abrornis tenuiceps* Hodgs. — *P. eversmanni* Midd. = *P. sylvicultrix* Swinh., which latter stands, unless, as is probable, it = *P. borealis* Blas. — *P. eversmanni* Bp. is totally distinct, and = *icterina* Eversm. — Of three species confounded under the name of *P. fuscatus* Blyth, one = *P. siberica* Midd.; another is *P. maackii* Sebr.; the third is not determined.

1874. ABBOTT, C. C. The Kinglets [Regulus] of New Jersey. <Am. Nat., viii, 1874, pp. 364, 365.

Field-notes on *Regulus satrapa* and *R. calendula*.

1874. BREWER, T. M. The Kinglets [Regulus] in New Jersey. <Am. Nat., viii, 1874, pp. 502-503.

Controversial; ref. to C. C. Abbott, *tom. cit.*, 364.

1874. BLANFORD, W. T., and DRESSER, H. E. Monograph of the Genus Saxicola, Bechstein. <P. Z. S., xlii, 1874, pp. 213-241, pl. xxxvi-xxxix, woodcut.

A very timely and desirable article. The genus includes *Dromolea* and *Campicola*. 69 current spp. reduced to 37. *S. griseiceps*, p. 233, pl. xxxvii, f. 3; *S. diluta*, p. 234, pl. xxxix, f. 1, spp. nm. A nearly complete synonymy, representing numerous important rectifications, with full description and habitat of all the spp. Pl. 36, f. 1, *S. botter*; f. 2, *S. heuglini*; pl. xxxvii, f. 1, 2, *S. leucomelana*; pl. xxxviii, f. 1, *S. pollux*; f. 2, *S. castor*; pl. xxxix, f. 2, *S. schlegelii*.

1876. GILLMAN, H. The Bluebird [Sialia sialis] feeding on Ampelopsis. <Am. Nat., x, No. 9, 1876, p. 556.

1876. INGERSOLL, E. Our present Knowledge of the Nidification of the American Kinglets [Regulus]. <Bull. Nutt. Ornith. Club, i, No. iv, Nov., 1876, pp. 77-79.

1877. CLIFTON, —. [Letter on the two distinct races of Saxicola oenanthe found in England.] <Ibis, 4th ser., i, Apr., 1877, pp. 256, 257.

1877. COLLETT, R. On Phylloscopus borealis and its Occurrence in Norway. <P. Z. S., 1877, pp. 43-47.

1877. [COUES, E.] The Song that the Bluebird [Sialia sialis] sings. <Harper's New Monthly Mag., May, 1877, p. 891.

Poem. Reprinted in *The Country*, Dec. 1, 1877, and elsewhere.

1877. INGERSOLL, E. Our present Knowledge of the Nidification of the American Kinglets [Regulus]. <Forest and Stream, viii, Feb. 22, 1877, p. 33.

Reprinted from *Bull. Nutt. Ornith. Club*, i, No. 4, Nov., 1876, pp. 77-79.

1877. [INGERSOLL, E.] Our present Knowledge of the Nidification of the American Kinglets [Regulus]. <Oölogist, ii, No. 11, 1877, pp. 75, 76.

From *Bull. Nutt. Ornith. Club*, i, No. 4, Nov., 1876, pp. 77-79.

1877. MEEHAN, T. The Bluebird [Sialia sialis] and Holly berries. <Proc. Phila. Acad. Nat. Sci., 1877, p. 129.

1877. SEEBOHM, H. On the Phylloscopi or Willow-Warblers. < *Ibis*, 4th ser., i, Jan., 1877, pp. 66-108.
 This is an important monography, treating of 32 spp. in due form, with copious synonymy, full description, geographical distribution, and critical comment.—These species are divided into the following sections: *Acanthopneuste* with 13 spp.; *Phylloscopus* proper with 15 spp., and *Reguloides* with 5 spp.; each of the former two subgenera being further analyzed into species of two groups, by pattern of coloration.—The American *Phyllopneuste kennicottii* Baird is referred to *Phylloscopus borealis* (Blas. = *eversmanni* Midd. nec Bp.).—*Phylloscopus gaetkei*, p. 92, sp. n. (= *major* Tristr. 1871, nec Forst. 1817).
1877. "VERD MONT ABROAD." Blue Birds [*Sialia sialis*].—New Haven [Conn.], Dec. 19th. < *Forest and Stream*, ix, Dec. 27, 1877, p. 397.
1878. EARLE, C. F. *Sialia* [*sialis*]: The story of a [captive] bluebird. < *Forest and Stream*, xi, Nov. 28, 1878, p. 339.
1878. [SCOTT, W. E. D.] Blue-Birds [*Sialia sialis*]. < *The Country*, i, March 16, 1878, p. 292.
1879. BREWER, T. M. Nest and Eggs of the Golden Crowned Kinglet (*Regulus satrapa*). < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 96-99.
 Description of eggs from "an unknown nest", inferred to belong to this species, found by H. Merrill near Bangor, Me.; argument with the author of "Birds of the Colorado Valley" respecting general character of the nest; attention called by J. C. Merrill to the overlooked illustration of the egg in *J. f. O.*, 1856, p. 33, pl. 1, f. 8; attention called by J. A. Allen to overlooked account of nest in Minot's *B. New Engl.*, p. 56.
1879. BRYANT, W. E. The Arctic Bluebird [*Sialia arctica*] near San Francisco. < *Science News*, i, No. 9, Mar. 1, 1879, p. 144.
1879. MORRIS, R. H. A white Bluebird [*Sialia sialis*]. < *Forest and Stream*, xiii, Sept. 4, 1879, p. 605.
1879. "OBSERVER." A strange nesting place [of *Sialia sialis*—in a cannon]. < *Forest and Stream*, xii, July 17, 1879, p. 464.

Paridæ.

1845. HARRIS, E. Description of a new species of *Parus* [septentrionalis] from the Upper Missouri. < *Proc. Acad. Nat. Sci. Phila.*, ii, 1845, pp. 300, 301.
1846. HARRIS, E. Description of a [lately] new species of *Parus* [septentrionalis] from the Upper Missouri. < *Ann. Mag. Nat. Hist.*, xvii, 1846, pp. 452-454.
From *Proc. Acad. Phila.*, ii, 1845, pp. 300, 301.
1850. BONAPARTE, C. L. Sur deux espèces nouvelles de Paridae. < *Compt. Rend. de l'Acad. Sci.*, xxxi, Sept., 1850, pp. 478, 479.
Psaltriparus (g. n.) *personatus* (Westerm.), *Lophophanes wollweberi* (Westerm.), p. 478. *Calacanthis*, g. n., (type *Carduelis burtoni* Gould), p. 479. Voyez t. c., p. 539.
1850. CASSIN, J. Descriptions of new species of Birds of the genera *Parus*, Linn.; . . . < *Proc. Acad. Nat. Sci. Phila.*, v, Oct., 1850, pp. 103 —. pl. i, ii.
The article is of much more extended scope than *Paridæ*, and I give the full title elsewhere; but here occur the original descriptions of *Parus annexus* [= *Lophophanes wollweberi*], p. 103, pl. i, and of *Parus* [*Lophophanes*] *atricristatus*, p. 103, pl. ii.
1851. WESTERMAN, G. F. Beschrijving van twee nieuwe Soorten van Meezen. < *Bijdrag tot de Dierk.*, i, Deel, derde Aflevering, 1851, pp. 15, 16, met eene Plaat.
I. *Parus* (*Lophophanes*) *wollweberi*, p. 15, met eene Afbeelding; habitat in Mexico. II. *Psaltria personata*, p. 16, met eene Afbeelding van het Wijfje en Mannetje; habitat in Mexico, (= *Parus melanotis* Hartl., R. Z., 1844, 216).
1852. LAWRENCE, G. N. Descriptions of new species of Birds of the genera *Conirostrum* [ornatum], . . . < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 112-117, pl. v. (Read Apr. 23, 1851.)
Here occurs, in a paper of wider scope, the orig. descr. of *Conirostrum ornatum*, p. 112, pl. v, f. 1. = *Aegithalus flaviceps* Sund. = *Paroides f. sive Auriparus f. Baird*. The title will be found in full in the North American part of this Bibliography.
1855. SCLATER, P. L. On the Genus *Culicivora* of Swainson, and its component Species. < *P. Z. S.*, Jan. 9, 1855, pp. 11, 12.
Culicivora Sw., *Zool. Journ.* 1827, type *Muscicapa stenura* Temm., also embraces *M. cærulea* Wils., thus including birds of different families. Cabanis separated them, rightly; but left *Culicivora* for *M. cærulea*, proposing *Hapalura* for *M. stenura*. But *Hapalura* is thus strictly synonymous with *Culicivora*, and a new name is required for the genus of which *cærulea* is typical. Hence *Poliophtila*, g. n., p. 11.—The author treats of four spp. of the genus, *PP. cærulea*, *dumicola*, *leucogastra*, and *bilineata*.
1856. FATIO-BEAUMONT, J. "S. [i. e. G.]" Bemerkungen über die Gruppe der Graumeisen. Mésanges grises—Pari cinerei. < *Naumannia*, vi, 1856, pp. 160-163.
P. borealis, *P. atricapillus*; *P. alpestris*, sp. n., p. 161.
1856. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera *Chordeiles*, Swainson, and *Poliophtila*, Sclater. < *Ann. Lyc. Nat. Hist. New York*, vi, 1856, pp. 165-169.
Poliophtila melanura, p. 168.
1856. SCLATER, P. L. On the Genus *Culicivora* of Swainson, and its component Species. < *Ann. Mag. Nat. Hist.*, xvii, 1856, pp. 68-70.
Not seen: from *P. Z. S.*, 1865, pp. 11, 12, q. v.
1856. SCLATER, P. L. Note on *Psaltria flaviceps*, a third American Species of the Parine Genus *Psaltria*. < *P. Z. S.*, xxiv, 1856, pp. 37, 38.
The bird which had been described by Sundevall as *Aegithalus flaviceps* (Foglar från Nordöstra Afrika, *Öfvers. K. Vet. Ac. Förh.*, vii, 1850, p. 129) is here referred to the genus *Psaltria*; and the *Conirostrum ornatum* of Lawrence (*Ann. Lyc. N. Y.*, v, 1851, p. 112, pl. 5, f. 1) is shown to be synonymous therewith.
1857. SCLATER, P. L. Note on *Psaltria flaviceps*, a third American Species of the Parine Genus *Psaltria*. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 92, 93.
From *P. Z. S.*, March 11, 1856, pp. 37, 38, q. v.

1857. SCLATER, P. L. On *Parus meridionalis* and some other species mentioned in the Catalogue of Birds collected by M. Sallé in Southern Mexico. <*P. Z. S.*, xxv, 1857, pp. 81, 82.
Maintaining the distinctness of the species named from *P. atricapillus*.
1865. BRYANT, H. Description of a New Variety of *Parus* [*hudsonicus* var. *littoralis*] from Yarmouth, Nova Scotia. <*Proc Boston Soc. Nat. Hist.*, ix, 1865, pp. 368, 369.
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridæ, Vireonidæ, Tyrannidæ, and Trochilidæ, with a note on *Myiarchus Pana-mensis*. <*Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 37-39.
Polioptila plumbeiceps, p. 37; from Venezuela.
1867. TRIPPE, T. M. The Chickadee [*Parus atricapillus*]. <*Am. Nat.*, i, 1867, pp. 584-587.
Biographical, with special reference to the nesting and eggs.
1875. WILDER, HARVEY. The Chickadees [*Parus atricapillus*]. <*St. Nicholas Mag.*, ii, 1875, pp. 79-81, one illust.
Popular account.
1876. COLES, C. E. The Blue-gray Gnatcatcher. (*Polioptila cærulea*.) <*The Oölogist*, ii, No. 4, —, 1876, p. 31.
1876. COUES, E. Letters on Ornithology. No. 3.—The Blue-gray Gnatcatcher [*Poli-optila cærulea*]. <*The Chicago Field*, Aug. 26, 1876, figure.
Biography of the bird, from advance sheets of *Birds of the Colorado Valley*, with an original figure.
1876. COUES, E. Letters on Ornithology. No. 10.—Titmice, Tomtits or Chickadees [*Paridæ*]. <*The Chicago Field*, Dec. 30, 1876, figg. 2.
Popular account of North American species, with figg. of the heads of *Parus montanus* and of *Lophophanes bicolor*.
1878. BELDING, L. Nesting-Habits of *Parus montanus*. <*Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 102, 103.
1878. BREWER, T. M. The Blue-gray Gnatcatcher (*Polioptila cærulea*) in Massachusetts. <*Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 146, 147.
Being the second known instance of its occurrence in that State, the first having been recorded in *op. tom. cit.*, p. 45.
1878. COOPER, W. A. Notes on the breeding habits of Hutton's Vireo (*Vireo huttoni*) and the Gray Titmouse (*Lophophanes inornatus*), with a description of their Nests and Eggs. <*Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 68, 69.
1878. DEANE, R. The Blue-gray Gnatcatcher (*Polioptila cærulea*) in Massachusetts. <*Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 45.
1879. [ALDRICH, C.] The Chickadee [*Parus atricapillus*]. <*Hamilton Freeman* (news-paper of Webster City, Iowa), of Feb. 26, 1879.
Popular account of habits.
1879. HENSHAW, H. W. Nest and Eggs of the Gray Titmouse (*Lophophanes inornatus*). <*Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 182, 183.
1879. INGERSOLL, [E.] Nest and Eggs of the Tufted Titmouse [*Lophophanes bi-color*]. <*The Oölogist*, v, No. 2, Aug., 1879, p. 10.
Quoted from his *Nests and Eggs of American Birds*, Part II, p. 44.
1879. INGERSOLL, E. Nest and Eggs of the Blue-gray Gnatcatcher [*Polioptila cærulea*]. <*The Oölogist*, iv, No. 11, June, 1879, p. 86.
Quoted from his *Nests and Eggs of American Birds*, Part II, p. 41.
1879. LANGDON, F. W. Albinism in the Tufted Titmouse [*Lophophanes bicolor*]. <*Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 116.

Chamæidæ.

1847. GAMBEL, W. Chamæa, new genus of Birds allied to Parus. < *Am. Journ. Sci.*, iv, Sept., 1847, p. 286.

This, though the first special title on the subject, does not cover the original description of *Chamæa*, g. n., which occurs in a paper entitled "Remarks on the Birds observed in Upper California", *Proc. Phila. Acad.*, iii, Feb., 1847, p. 154. The genus also reappears in a translation of this paper, „Ueber die in Oberkalifornien beobachteten Vögel“, in *Arch. f. Naturg.*, 1848, Bd. i, p. 102. The species, *C. fasciata*, was first described as *Parus fasciatus* in *Proc. Phila. Acad.*, ii, Aug., 1845, p. 265; and was figured in *Journ. Phila. Acad.*, 2d ser., i, pt. i, Dec., 1847, p. 34, pl. viii, f. 3.

1847. GAMBEL, W. Chamæa, a new genus of Birds allied to Parus. < *Ann. Mag. Nat. Hist.*, xx, 1847, pp. 441, 442.

From *Am. Journ. Sci.*, iv, Sept. 1847 p. 286.

Mniotiltidæ.

1818. RAFINESQUE, C. S. Further Account of Discoveries in Natural History, in the Western States, . . . < *Amer. Monthly Mag.*, iv, 1818, pp. 39-42.
No other bird-matter than *Rimamphus citrinus*, g. sp. n., p. 41, (Cf. Hartl., *R. Z.* viii, 1845, p. 343; Baird, *B. N. A.*, 1858, p. 264. See also *Journ. de Phys.*, lxxxviii 1819, p. 418, where the genus and species reappears, along with *Helmitheros migratorius*, g. sp. n.)
1840. TOWNSEND, J. K. Description of a New Species of *Sylvia* [tolmæi], from the Columbia River. < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, pp. 149, 150. (Read Apr. 2, 1839; vol. not pub. till 1840.)
1840. TOWNSEND, J. K. Note on *Sylvia Tolmæi*. < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, p. 159. (Read Sept. 10, 1839; vol. pub. 1840.)
Claims priority for the name over that of *S. macgillivrayi* Aud., *Orn. Biog.*, v, 1839, p. 75; but actual priority of publication is with the latter. (See Baird, *B. N. A.*, 1858, p. 245.)
1842. LEIB, G. C. [Note on *Parus leucotis*, Giraud.] < *Proc. Acad. Nat. Sci. Phila.*, i, 1842, p. 140.
Identified as *Setofaga* (sic) *rubra*. The bird is the *Cardellina* (*Ergaticus*) *rubra* of late authors.
1842. STORER, D. H. [Note on *Sylvia formosa*.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1842, p. 55.
1844. McCULLOCH, T. On the importance of habit as a guide to accuracy in Systematical arrangement, illustrated in the instance of the *Sylvia petechia* [*Dendroeca palmarum* Baird] of Wilson, and all subsequent writers. < *Journ. Bost. Soc. Nat. Hist.*, iv, pt. iv, 1844, pp. 406-410.
Taking habit as his guide, makes the bird out to be a *Seiurus*. The article is in effect an argument against the importance of habit as a guide to classification, unless checked by investigation of physical characters.
1845. CABOT, S., JR. [Occurrence of *Silvia agilis* at Brookline, Mass.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, 63.
1845. HARTLAUB, G. Notes ornithologiques. < *Revue Zoologique*, viii, 1845, pp. 342, 343.
1. Sous la description de *Rimamphus citrinus* de Rafinesque (*Am. Month. Mag.*, iv, 1818, p. 41; *Journ. de Phys.*, lxxxviii, 1819, p. 418) l'auteur croit reconnaître la *Motacilla* [*Dendroeca*] *æstiva* des auteurs; et par conséquent le genre *Rhimamphus* serait identique avec *Sylvicola*, Sw., 1827.—2. *Helmitheros migratorius* Raf. (loc. cit) est déclaré par Rafinesque même comme identique avec la *Sylvia vermivora* de Latham, pour laquelle Swainson et Audubon ont créé les genres *Vermivora* (1827) et *Helinaia* (1839): et l'auteur croit devoir réclamer la priorité en faveur de Rafinesque.
1852. BAIRD, S. F. Description of a new Species of *Sylvicola* [kirtlandi]. < *Ann. Lyc. Nat. Hist. New York*, v, 1852, pp. 217, 218, pl. vi.
1855. BRYANT, H. [Notice of the occurrence in Massachusetts, in January, of *Sylvicola coronata* and *S. parus*.] < *Proc. Bost. Soc. Nat. Hist.*, v, 1855, p. 142.
1855. GUNDLACH, J. Description of a New Species of Bird of the Genus *Sylvicola* [pityophila] Swainson. < *Ann. Lyc. Nat. Hist. New York*, vi, 1855, pp. 166, 161.
1856. BREWER, T. M. [Observations on a nest of the Nashville Warbler (*Vermivora rubricapilla*) discovered by Mr. George Wells, at Lynn, Mass. With remarks on nests and eggs of other New England *Sylvicolidæ*.] < *Proc. Bost. Soc. Nat. Hist.*, vi, 1856, pp. 4-6.
1859. BREWER, T. M. [On the Distribution and Habits of the Summer Yellow-bird, *Dendroeca æstiva*.] < *Proc. Bost. Soc. Nat. Hist.*, vii, 1859, pp. 21, 22.
With special reference to the building of "two-story" nests by this species, to obviate incubation of egg of *Molothrus pecoris*.

1860. [KIRKPATRICK, J.] Kirtland's Warbler [*Dendroica kirtlandi*]. < *Ohio Farmer* (newspaper), vol. ix, No. 23, June 9, 1860, p. 179.
A specimen of this rare bird was shot a short time ago, near the "old river bed", Cleveland, by Mr. Durby, of University Heights. It was identified by R. K. Winslow, preserved and mounted by him, and proved to be a female. Until now there was but one specimen of this bird known, that obtained by Dr. Kirtland, now in the collection of the Smithsonian Institution at Washington. It was first described by Baird in the *Annals of the New York Lyceum* (1852), and afterward in Cassin's *Illustrations*. The present specimen is more lead-colored on the upper parts than Cassin's figure. Mr. Winslow informs us that Wm. Case, Esq., once shot a specimen, but it was so badly injured as to be unfit for preserving.
1861. VENNOR, H. G. A short review of the Sylviadæ or Wood-Warblers found in the vicinity of Montreal. < *Canad. Nat. and Geol.*, vi, Oct., 1861, pp. 349-362.
Descriptions, compiled, and some accounts of habits.
1865. SCLATER, P. L. Note on two rare Species of the American genus *Dendroica*. < *Ibis*, 2d ser., i, 1865, pp. 87-89, and p. 237.
Critical remarks on 4 closely allied species—*D. virens*, *occidentalis*, *townsendi*, and *chrysoparia*, with a synonymatic and diagnostic list of them. *D. niveiventris* Salv., *P. Z. S.*, 1863, p. 187, pl. xxiv, f. 2, is referred to *occidentalis*. Cf. *tom. cit.*, p. 237, for correction of an error respecting *D. chrysoparia*.
1865. SCLATER, P. L. On a New Species of the Genus *Basileuterus* of Cabanis, with a Synopsis of the known Species of the Genus. < *P. Z. S.*, xxxiii, 1865, pp. 282-286, pll. ix, x.
Diagnostic and synonymatic list of 15 spp., exclusive of *Myiothlypis nigrieristata* and *Euthlypis lachrymosa*. *B. mesoleucus*, p. 286, pl. ix, f. 1, sp. n. Pl. ix, fig. 2, *B. cinereicollis*; pl. x, f. 1, *B. semicervinus*; pl. x, f. 2, *B. uropygialis*.
1866. BENVENUTI, E. [Descrizione di una nuova specie di *Dendroica* (picciolii) del Brasile.] < *Annali R. Mus. Fisica e Storia Nat. di Firenze per il 1865*, nuova serie, i, 1866, p. 207.
The description occurs in an article of wider scope, describing four new *Trochilidæ*, with a note on Birds of Tuscany. The full title is given elsewhere.
1867. BREWER, T. M. [Remarks on the Wood-Warblers (*Dendroicæ*) of North America.] < *Proc. Bost. Soc. Nat. Hist.*, xi, 1867, pp. 139, 140.
1868. TRIPPE, T. M. The Warblers [*Sylvicolidæ*]. < *Am. Nat.*, ii, 1868, pp. 169-183.
Biographical notes on various North American species.
1869. BOARDMAN, G. A. Tennessee Warbler [*Helminthophaga peregrina*]. < *Am. Nat.*, iii, 1869, p. 222.
Very common at Milltown, Maine.
1869. JACKSON, T. H. The Worm-eating Warbler [*Helminthus vermivorus*]. < *Am. Nat.*, iii, 1869, p. 556.
Note on the nest and eggs.
1869. PURDIE, H. A. [Notice of the Capture of *Helminthophaga peregrina* in Newton, Mass.] < *Proc. Bost. Soc. Nat. Hist.*, xiii, 1869, p. 93.
1869. PURDIE, H. A. Tennessee Warbler [*Helminthophaga peregrina*]. < *Am. Nat.*, iii, 1869, p. 31.
Note on its geographical distribution.
1869. PURDIE, H. A. Golden-winged Warbler [*Helminthophaga chrysoptera*]. < *Am. Nat.*, iii, 1869, p. 497.
On its local distribution and breeding.
1869. TRIPPE, T. M. The Tennessee Warbler [*Helminthophaga peregrina*]. < *Am. Nat.*, iii, 1869, p. 496.
On its local distribution.
1870. SUNDEVALL, C. J. Öfversigt af fogelslägtet *Dendroica*. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1869, 1870*, pp. 605-618.
Div. I. *Flavovirides*. 1. *aestiva*. 2. *petechia*, a) *bartholemia*, b) *crucianca*, c) *barbadensis*, d) *cubana*, e) *jamaicensis*, f) *gallapagensis*, g) *peruviana*, h) *aequatorialis*? i) *panamensis*?, var. nn. ? *coa*. II. *Stigmatoptera*: 4. *olivacea* 5. *caeruleascens*. III. *Albifasciatæ*. 6. *nigrescens*.

1870. SUNDEVALL, C. J.—Continued.

7. *townsendi*. 8. *chrysopareia*. 9. *occidentalis*. 10. *virens*. 11. *blackburniæ*. 12. *graciæ*. 13. *dominica*. 14. *pityophila*. 15. *icterocephala*. 16. *pinus*. 17? *montana*. 18. *coronata*. 19. *auduboni*. 20. *castanea*. 21. *striata*. 22. *caerulea*. 23. *adelaidæ*. 24. *maculosa*. IV. *Acutirostres*. 25. *discolor*. 26. *palmarum*. 27. *tigrina*.—Necnon, auctori ignotæ, 28. *pharetra*. 29. *kirtlandi*. 30. *carbonata*.—Adjectis descriptionibus, synonymis, locis, observationibusque.

1872. BREWER, T. M. [On the appearance of *Oporornis agilis* in Massachusetts.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, pp. 3, 4.

1872. BREWER, T. M. [Note of the breeding of *Dendroica coronata* in Maine.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, p. 4.

1872. BREWER, T. M. [On the abundance of *Dendroica castanea* in Wisconsin and Massachusetts in 1872.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, pp. 192, 193.

1872. BREWER, T. M. [On the movements of *Dendroica castanea*.] < *Ibis*, 3d ser., ii, 1872, p. 334.

1872. COUES, E. Nest and Eggs of *Helminthophaga luciae*. < *Am. Nat.*, vi, 1872, p. 493.

Discovered by C. Bendire in Arizona; cf. Coues, *B. C. V.*, 1878, p. 221.

1872. RIDGWAY, R. On the Occurrence of *Setophaga picta* in Arizona. < *Am. Nat.*, vi, 1872, p. 436.

1872. SALVIN, O. Remarks on the Mniotiltine Genus *Geothlypis*. < *Ibis*, 3d ser., ii, 1872, pp. 147–152.

General commentary: differentiation of 8 spp.; details of their geographical distribution and migration.—*G. chiriquensis*, p. 148, new form of *G. æquinoctialis*.

1874. BREWSTER, W. A New Species of North American Warbler [*Helminthophaga leucobronchialis*]. < *Am. Sportsman*, v, Oct. 17, 1874, p. 33.

1874. HERRICK, H. Description of a new species of *Helminthophaga* [*lawrencii*]. < *Proc. Phila. Acad. Nat. Sci.*, 1874, p. 220, pl. 15.

1874. "SIGMA PHI." A bird not to be imposed upon. < *Forest and Stream*, iii, Sept. 10, 1874, p. 68.

Device of *Dendroica aestiva* to escape infliction of the egg of *Molothrus ater*.

1874. STARK, A. C. The Chestnut-sided Warbler [*Dendroica pennsylvanica*]. < *Am. Nat.*, viii, 1874, p. 756.

Breeding in West Virginia.

1875. ALLEN, J. A. Influence of Elevation and Latitude upon the Distribution of Species. < *Am. Nat.*, ix, No. 3, Mar., 1875, pp. 181, 182.

With special reference to *Dendroica pennsylvanica*.

1875. BREWSTER, W. Habits of the Mourning Warbler (*Geothlypis philadelphia*). < *Rod and Gun*, vi, Apr. 24, 1875, p. 50.

Observations made in Maine: read before *Nutt. Ornith. Club*, April 3, 1875.

1875. FINSCH, O. Notes on *Phænicomanes iora*, Sharpe, and *Abrornis atricapilla*, Blyth. < *P. Z. S.*, Dec. 7, 1875, pp. 640, 641.

The "*Abrornis*" described from "China" (*Ibis*, 1870, p. 169) is no other than the North American *Myiodiocetes pusillus* (Wils.).

1875. FISHER, A. K. *Oporornis formosus* breeding in Eastern New York. < *Am. Nat.*, ix, No. 10, Oct., 1875, p. 573.

1875. JORDAN, D. S. *Dendroica dominica* in Indiana. < *Am. Nat.*, ix, No. 5, May, 1875, p. 313.

With note on *Sturus ludovicianus* in Wisconsin.

1875. MINOT, H. D. Nesting of the Prairie Warbler [*Dendroica discolor*] in New Hampshire. < *Am. Nat.*, ix, No. 9, Sept., 1875, p. 520.

1875. RIDGWAY, R. Nesting of the Worm-eating Warbler [*Helminthorus vermivorus*]. < *Field and Forest*, i, No. 2, July, 1875, pp. 10–12.

1875. WILLARD, S. L. Eggs and Nest of Black-Throated Green Warbler [*Dendroica virens*]. < *Öbologist*, i, 1875, pp. 2, 3.

1875. [WILLARD, S. L.]. Warblers' [Sylvicolidæ] Nests. < *Oölogist*, i, 1875, p. 35.
1875. [WILLARD, S. L.]. The Yellow Warbler [*Dendroica aestiva*] and its Enemy [*Molothrus ater*]. < *Oölogist*, i, 1875, p. 43.
1876. BREWSTER, W. Description of a [lately] new species of *Helminthophaga* [*leucobronchialis*]. < *Bull. Nutt. Ornith. Club*, i, No. 1, Apr., 1876, pp. 172, pl. 1.
The first notice of this species was in the *American Sportsman*, v, Oct. 17, 1874, pp. 33.
1876. BREWSTER, W. Capture of the Orange-crowned Warbler [*Helminthophaga celata*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. iv, Nov., 1876, pp. 94, 95.
1876. ERNEST, H. Warblers of the Western Reserve [Ohio]. < *Forest and Stream*, vi, June 15, 1876, p. 300.
Thirty-one species, with remarks.
1876. JONES, C. M. On the breeding of the Black-throated Blue Warbler (*Dendroica caerulescens*) in Connecticut. < *Bull. Nutt. Ornith. Club*, i, No. 1, 1876, pp. 11-13.
1876. RIDGWAY, R. Notes on the Genus *Helminthophaga*. < *Ibis*, 3d ser., vi, Apr., 1876, pp. 166-171.
Critical discrimination of 10 spp. of the genus, with geographical distribution, and remarks on *H. lawrencii* and *H. leucobronchialis*. The former is suggested as possibly a hybrid between *pinus* and *chrysoptera*.
1876. RIDGWAY, R. On Geographical Variation in *Dendroica palmarum*. < *Bull. Nutt. Ornith. Club*, i, No. iv, Nov., 1876, pp. 81-87.
D. palmarum subsp. n. *hypochrysea*, p. 84. The two supposed subspecies are very fully described.
1876. SALVIN, O. *Dendroica chrysoparia*. (The Yellow-cheeked Warbler.) < *Rowley's Ornith. Misc.*, part iii, Jan., 1876, pp. 181-184, plate.
Complete history of the species to date, with a beautiful colored plate of 3 figures. Cf. Purdie. *Bull. Nutt. Ornith. Club*, 1878, p. 60, and Coues, *ibid*.
1876. WARREN, J. Nesting of the Golden-winged Warbler (*Helminthophaga chrysoptera*), in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. 1, 1876, pp. 6-8.
1877. BREWER, T. M. [Letter on the Nest and Eggs of *Dendroica auduboni*.] < *Ibis*, 4th ser., i, July, 1877, pp. 394, 395.
Fully describing specimens from Summit County, Colorado.
1877. BREWSTER, W. The Black-and-Yellow Warbler (*Dendroica maculosa*). < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, pp. 1-7.
Full account of habits.
1877. BREWSTER, W. The Yellow-throated Warbler (*Dendroica dominica*). < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, pp. 102-106.
Very full account of its habits, with special reference to its breeding. Cf. *op. cit.*, 1878, p. 43.
1877. BOWDWIN, G. Yellow-pool [*i. e.*, pool] wood-warbler (*Dendroica aestiva*). < *Forest and Stream*, viii, Apr. 5, 1877, p. 129.
Habits as observed at Philadelphia.
1877. COUES, E. Letters on Ornithology. No. 16 [bis]—The American Warblers.—Family Sylvicolidæ. < *The Chicago Field*, Dec. 15, 1877, p. 254, fig.
Popular account, with fig. of *Dendroica virens*.
1877. FRAZAR, A. M. Audubon's Warbler [*Dendroica auduboni*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 27.
1877. HERRICK, H. Capture of a second specimen of *Helminthophaga lawrencii*. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, pp. 19, 20.
1877. MAYNARD, C. J. Nesting Habits of the Worm-eating Warbler (*Helminthus vermivorus*). < *Oölogist*, iii, No. 3, 1877, pp. 19, 20.
1877. NUTTER, F. H. Red-Bellied Nut-Hatch (*Sitta Canadensis*) nesting on the Ground (?). < *Am. Nat.*, xi, No. 9, 1877, pp. 565, 566.
Afterward shown to be probably *Myiodytes canadensis*.

1877. SMITH, G. STUART. Nesting of the Maryland Yellow-throat [*Geothlypis trichas*]. < *Oölogist*, iii, No. 10, p. 77; fig. in No. 11, p. 87.
1877. TROTTER, S. Capture of a Second Specimen of *Helminthophaga leucobronchialis*. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 79, 80.
1877. TROTTER, S. On *Helminthophaga leucobronchialis* (Brewster). < *Proc. Phila. Acad. Nat. Sci.*, 1877, p. 292.
Discovery of a third specimen, longtime in the Mus. Acad. Phila.
1878. BREWSTER, W. Note on *Dendroeca dominica*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 43.
Correction of Brewster, *op. cit.*, Oct., 1876, pp. 102-106.
1878. BREWSTER, W. The White-Throated Warbler (*Helminthophaga leucobronchialis*) in Connecticut. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 99.
1878. BREWSTER, W. The Prothonotary Warbler (*Protonotaria citrea*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 153-162.
An extended biographical sketch, well-written, interesting, and perfectly reliable.
1878. BREWSTER, W. Capture of a Fifth Specimen of the White-throated Warbler (*Helminthophaga leucobronchialis*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 199, 200.
At Suffolk, Conn., July 3, 1875, by E. I. Shores.
1878. BUEL, J. A. [Capture of Kirtland's warbler (*Dendroeca kirtlandi*) at Cleveland, Ohio.] < *The Country*, ii, June 1, 1878, p. 89.
1878. COLLINS, W. L. Tragic Fate of a Summer Warbler [*Dendroeca æstiva*]. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 197.
Noosed and killed by a thread from her unfinished nest.
1878. COUES, E. Nest and Eggs of *Helminthophaga pinus*. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 194.
Notes on two nests secured by S. N. Rhoads near West Chester, Pa.
1878. DEANE, R. The Blue-winged Yellow Warbler (*Helminthophaga pinus*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 188.
The second record of its occurrence in the State, where it had recently been denied by T. M. Brewer, though long since recorded as a Massachusetts bird, and the original specimen preserved (cf. *Proc. Bost. Soc.*, vi, p. 386).
1878. [ERNST, H.] Another Kirtland Warbler [*Dendroeca kirtlandi*]. < *Forest and Stream*, x, June 20, 1878, p. 379.
Supposed "third instance" (really about the eighth) of its capture in U. S.; this time near Cleveland, Ohio. See above, 1878, BUEL, J. A.
1878. FISHER, A. K. The Kentucky Warbler (*Oporornis formosus*) at Sing Sing, N. Y. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 191, 192.
"There must have been at least sixteen individuals here, and undoubtedly four nests."
1878. INGERSOLL, E. Nesting Habits of the Black-and-White Creeper (*Mniotilta varia*). < *Oölogist*, iv, No. 1, Mar., 1878, pp. 1, 2.
1878. MURDOCH, J. Report of the Second Capture of the Orange-crowned Warbler (*Helminthophaga celata*) in New Hampshire. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 96, 97.
1878. NUTTER, F. H. Nesting Habits of the Canada Flycatcher [*Myiodiocetes canadensis* (?)]. < *Amer. Nat.*, xii, No. 6, June, 1878, p. 397.
Referring to a set of eggs formerly (*op. cit.*, xi, p. 565) referred to "*Sitta canadensis*?" now doubtfully identified as above.
1878. PURDIE, H. A. Capture of the Yellow-throated Warbler [*Dendroeca dominica*] in Massachusetts, and Notes on other Rare Massachusetts Birds. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 146.
The remainder of the paragraph speaks of *Rallus elegans* and *Anser hyperboreus* in the same State.

1878. SALVIN, O. A Synopsis of the Genus *Setophaga*. < *Ibis*, 4th ser., ii, No. 7, July, 1878, pp. 302-321, pll. vii, viii.
A carefully-wrought article, giving synonymy, diagnosis, habitat, and criticism of 15 spp.
The genus reads *Setophaga* Sw., 1827 = *Sylvania* Nutt., 1832 nec 1840; with *Euthlypis* Cab., 1850, as a subgenus, based on *E. lachrymosa*, and *Myioborus* Baird, 1865, as a subgenus, covering 13 spp. (all the rest except *S. ruticilla*).
The species recognized are *S. ruticilla*, *S. (M.) picta*, *miniata*, *aurantiaca*, *verticalis*, *melanocephala*, *brunneiceps*, *castaneocapilla*, *chrysops* (sp. n., p. 314, pl. vii, f. 2 = *flaveola* Kaup nec Lafr.), *ornata*, *ruficoronata* (pl. vii, f. 1), *bairdi*, sp. n., p. 317, pl. viii, f. 1 = *ruficoronata* ScL. Salv. Bd. nec Kaup), *albifrons* (pl. viii, f. 2), *torquata*, and *S. (E.) lacrymosa*.—Note on *Setophaga multicolor* Bp.
1878. TROTTER, S. A Third Specimen of *Helminthophaga leucobronchialis*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 44, 45.
See Trotter, *Pr. Phila. Acad.*, 1877, p. 292.
1879. ALLEN, J. A. Nest and Eggs of the Cerulean Warbler [*Dendroica coerules*]. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, pp. 25-27.
Fully describing three nests and eggs of this species, heretofore not satisfactorily known, Audubon's account being "evidently erroneous in nearly every particular", and the only other one, Brewer's, being very discrepant.
1879. BREWER, T. M. The Eggs of the Redstart (*Setophaga ruticilla*). < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 118.
1879. CORY, C. B. Capture of Kirtland's Warbler (*Dendroica kirtlandi*) in the Bahama Islands. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 118.
1879. C[OUES], E. [Note on the fourth known specimen of *Dendroica chrysoparia*.] < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 60.
1879. COUES, E. Note on *Dendroica townsendi*. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 117.
Observations on habits, by W. A. Cooper.
1879. DEANE, R. Occurrence of the Western Variety of the Yellow Red-poll Warbler [*Dendroica palmarum hypochrysea*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan. 1879, p. 60.
Correction, *tom. cit.*, p. 186.
1879. DEANE, R. Additional Capture of the Cerulean Warbler [*Dendroica coerules*] in New England. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 185.
1879. DEANE, R. Correction [respecting *Dendroica palmarum hypochrysea*, this Bull., iv, p. 60]. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 186.
1879. FISHER, A. K. *Helminthophaga leucobronchialis* in New York. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 234.
1879. GIBBS, M. A New Bird [*Helminthophaga gunnii*]. < *Daily Morning Democrat* (Grand Rapids, Mich.), xvi, No. 224, June 1, 1879.
Taken in Ottawa County, Mich., May 25, 1879; subsequently identified with *H. leucobronchialis*; cf. *Bull. Nutt. Ornith. Club*, iv, 1879, pp. 185 and 232.
1879. JEFFRIES, J. A. The Yellow-rumped Warbler (*Dendroica coronata*) wintering in Swampscott, Mass. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 118.
1879. KEPPEL, R. J. Nesting Habits of the American Redstart. (*Setophaga ruticilla*.) < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., ii, No. 7, Sept., 1879.
1879. LANGDON, F. W. Nesting of the Kentucky Warbler (*Oporornis formosa*) in Ohio. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 236, 237.
With full description of the nest and eggs.
1879. NEWTON, [A.] [Remarks on Exhibition of rare Sylvicolidæ from Jamaica.] < *P. Z. S.*, June 17, 1879, pp. 552, 553.
Dendroica phæretro Gosse, and *Helinaia swainsoni* Aud.!—According to Agassiz the name of the latter genus should be written *Holonæa*.
1879. NICHOL[A]S, GEO. LAWRENCE. Migration of Some Warblers Through Summit, N. J., During the Last Spring. < *Forest and Stream*, xii, July 17, 1879, p. 464.
Notes on arrivals and departures of 18 spp.

1879. PURDIE, H. A. Record of Additional Specimens of the White-throated Warbler (*Helminthophaga leucobronchialis*). < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 184, 185.
Three, in addition to five before known, with presumptive identification of *H. gunnii* Gibbs (*Daily Democrat*, newspaper of Grand Rapids, Mich., June 1, 1879) as still another.
1879. PURDIE, H. A. Another Kirtland's Warbler (*Dendroeca kirtlandi*). < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 185, 186.
Making the ninth known specimen, all of which are here recorded.
1879. RATHBUN, S. F., and WRIGHT, F. S. Hooded Warbler [*Myiodioctes mitratus*] in Western New York. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 116, 117.
1879. RHOADS, S. N. *Helminthophaga pinus*, *Oporornis formosa*, and *Mniotilta varia* breeding in Pennsylvania. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 234, 235.
1879. RIDGWAY, R. Note on *Helminthophaga gunnii*, Gibbs. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 233, 234.
Its identification with *H. leucobronchialis*, upon examination of the type-specimen.
1879. TROTTER, S. Some Light on the History of a Rare Bird [*Helminthophaga leucobronchialis*]. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 59.
Note of the third specimen known, being one shot by J. G. Bell, at Rockland, N. Y., so long ago as 1832.
1879. WHEATON, J. M. Kirtland's Warbler [*Dendroeca kirtlandi*] again in Ohio. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 58.
Record of two specimens, and perhaps of a third, additional to those before known.

Motacillidæ.

1814. NILSSON, S. *Analecta Ornithologica. Pars I. Motacillas Scanenses sistens.* Præs. Sv. Nilsson, Resp. A. A. Retzius, Lundensis. Lundae 1814. 4to. pp. 16.—Resp. C. G. Retzius, Lundens. cont. pp. 17–30, m. tabb. 2.
Non mihi obvia.—Pars II., vide sub *Charadriidis*, hujusce bibliographie.
1827. FABER, F. [*Anthus rupestris*.] < *Tidssk. for Naturvid.*, No. 13. 1827, p. 58.
Not seen. Cf. *Isis*, 1827, p. 1028; *Féruss. Bull.*, xv, 1828, p. 392.
1827. FABER, F. Ueber *Anthus rupestris*. < *Oken's Isis*, Bd. xx, 1827, pp. 1028, 1029.
Nebst Nachtrag von Heinr. Lichtenstein, p. 1029.
1827. TRAILL, [T. S.] Tit-Lark [*Anthus pratensis*] caught at Sea. < *Edinb. New Philos. Journ.*, ii, 1827, p. 393.
1828. FABER, [F.] Sur l'*Anthus rupestris*, nouvelle espèce: par M. Faber. . .
< *Féruss. Bull.*, 2^e sect., xv, 1828, p. 392.
Tidssk. for Naturvid., 1827, No. 13, p. 58; *Isis*, 1827, p. 1028.
1828. GLOGER, C. W. L. Wegen *Anthus rupestris* und *A. aquaticus*. < *Oken's Isis*, Bd. xxi, 1828, p. 693, 694
Vergl. *Isis*, 1827, s. 597, folg. Nebst Nachtrag von Heinr. Lichtenstein.
1831. GOURCY-DROITAUMONT, F. (*Graf von*). Etwas über das verschiedene Farbenkleid der *Motacilla Feldegg* Michahelles, oder der in Dalmatien vorkommenden *Motacilla melanocephala* Lichtenstein, von Felix, Grafen von Gourcy-Droitaumont, eingesandt von Brehm. < *Oken's Isis*, Bd. xxiv, 1831, pp. 704–705.
Nebst Nachschrift von C. L. Brehm.
1831. MICHAHELLES, Dr. —. Nachträgliche Bemerkung zu *Motacilla Feldegg* mihi. *Oken's Isis*, Bd. xxiv, 1831, p. 403.
1832. GOULD, J. [On a New Species of Wagtail, *Motacilla neglecta*.] < *P. Z. S.*, ii, 1832, pp. 129, 130.
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Turdidæ.

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1875. COOPER, J. G. Notes on Californian Thrushes [of the subgenus *Hylocichla*]. < *Am. Nat.*, ix, No. 2, Feb., 1875, pp. 114-116.
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I. *Turdus migratorius*. II. *Turdus naevius*. III. *Turdus mustelinus*. IV. *Turdus pallasi*.
1876. COUES, E. Letters on Ornithology. No. 1.—The Oregon Robin [*Turdus naevius*]. < *The Chicago Field*, June 24, 1876, fig.
Account of habits, with a figure of the head.
This series of "Letters", each with its own subhead, runs through several issues of the paper, as follows:—No. 1, June 24, 1876; No. 2, Aug. 12, 1876; No. 3, Aug. 26, 1876; No. 4, Oct. 7, 1876; No. 5, Nov. 18, 1876; No. 6, Dec. 2, 1876; No. 7, Dec. 9, 1876; No. 8, Dec. 16, 1876; No. 9, Dec. 23, 1876; No. 10, Dec. 30, 1876; No. 11, Jan. 6, 1877; No. 12, Jan. 13, 1877; No. 13, Feb. 13, 1877; No. 13 [*bis* = 14], Mar. 17, 1877; No. 15, July 14, 1877; No. 16, July 21, 1877; No. 16 *bis*, Dec. 15, 1877; No. 17, Feb. 2, 1878; No. 18, June 29, 1878; No. 19, Apr. 26, 1879; No. 20, May 10, 1879; No. 21, May 17, 1879; No. 22, May 24, 1879; No. 23, June 9, 1879; No. 24, June 14, 1879; No. 25, June 21, 1879; No. 26, June 28, 1879; No. 27, July 5, 1879; No. 28, July 12, 1879; No. 29, July 19, 1879; No. 30, July 26, 1879.—They give popular accounts of various North American Birds, in certain cases from advance sheets of the "Birds of the Colorado Valley," and are for the most part illustrated with original woodcut figures. They are cited in this Bibliography collectively by the major head under "North America", and also individually by minor heads under the several families to which they respectively pertain.

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1876. HARTING, J. E. [*Turdus migratorius* in England.] < *The (London) Field*, Dec. 23, 1876, p. —.
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1876. [INGERSOLL, E.] The Crissal Thrasher [*Harporhynchus crissalis*]. < *Forest and Stream*, vii, Oct. 12, 1876, p. 148.
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1876. MORRIS, R. T. A Plea for the Robin [*Turdus migratorius*]. < *Forest and Stream*, vi, June 29, 1876, p. 337.
1876. RAGSDALE, G. H. Late appearance of the Mocking-bird [*Mimus polyglottus*, in Cooke Co., Texas]. < *Forest and Stream*, v, Jan. 20, 1876, p. 372.
1876. WOOLDRIDGE, G. Mocking-bird [*Mimus polyglottus*] food. < *Forest and Stream*, vii, Oct. 5, 1876, p. 132.
1876. ——. A Cat Whipped by Robins [*Turdus migratorius*]. < *Rod and Gun*, vii, Feb. 5, 1876, p. 294.
1877. BAILEY, H. B. Occurrence for the first time in England of the Robin (*Turdus migratorius*). < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, p. 110.
Prepared from Harting's articles, *The Field*, Dec 23, 1876, and the *Zoologist*, Jan., 1877.
1877. BOARDMAN, G. A. Melanosis [in *Turdus migratorius*]. < *Forest and Stream*, ix, Sept. 6, 1877, p. 86.
1877. [YOUNG, RAWLINGS.] Song of the Mocking Bird [described and analyzed]. < *Forest and Stream*, ix, Aug. 16, 1877, p. 24.
1877. HARTING, J. E. [*Turdus migratorius* in England.] < *Zoologist*, —, Jan., 1877, p. —.
Not seen.
1877. INGERSOLL, E. The Domestic Life of the Brown Thrasher [*Harporhynchus rufus*]. < *Forest and Stream*, viii, Apr. 12, 1877, p. 145.
An original and complete account.
1877. RIDGWAY, R. On Geographical Variation in *Turdus migratorius*. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, pp. 8, 9.
Turdus propinquus, subsp. n., p. 9.
1877. TREAT, Mrs. M. Our Mocking-bird [*Mimus polyglottus*]. < *Forest and Stream*, viii, Mar. 29, 1877, pp. 112, 113.
1878. ALLEN, J. A. Persistency in Nest-building by a Pair of City Robins [*Turdus migratorius*]. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 103, 104.
1878. ANON. [Ingenuity of *Turdus migratorius*.] < *The Country*, ii, May 18, 1878, p. 57.
1878. BEAL, F. E. L. Birds' Nests in Unusual Places. < *Forest and Stream*, x, Mar. 21, 1878, p. 118.
Nest of *Turdus migratorius* on the ground.
1878. BREWER, T. M. Wilson's Thrush [*Turdus fuscescens*], with Spotted Eggs and nesting on a Tree. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 193.
1878. COUES, E. Melanism of *Turdus migratorius*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 47, 48.
1878. DEANE, R. Deadly Combat between an Albino Robin [*Turdus migratorius*] and a Mole. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 104.
Covering a narrative of the occurrence from Miss Maria L. Audubon, granddaughter of J. J. Bull. v, 4—4

1878. FISHER, A. K. Robins' [*Turdus migratorius*] Eggs, Spotted. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 97.
1878. HUYLER, A. I. A Case of Instinct [of *Turdus migratorius*]. < *Science News*, i, No. 2, Nov. 15, 1878, p. 32.
1878. GRAY, A. F. Robin [*Turdus migratorius*] Nesting Upon the Ground. < *Forest and Stream*, ix, Jan. 31, 1878, p. 489.
1878. [GRINNALL, G. B.] An Albino Thrush [*Turdus pallasi*]. < *Forest and Stream*, x, Feb. 28, 1878, p. 55.
1878. INGERSOLL, E. The nesting habits of rare American thrushes [*Harporhynchus*]. < *The London Field*, li, Apr. 20, 1878, p. 453.
Treating all the United States species of the genus excepting *H. rufus*.
1878. LAWRENCE, G. N. Characters of a supposed new Species of South-American Thrush [*Turdus brunneus*]. < *Ibis*, 4th ser., ii, Jan., 1878, p. 57, pl. i.
N. B. There is more than one *Turdus brunneus* of earlier authors. The present belongs to the section of the genus including *T. leucomelas*, *albiventris*, &c. If a proper *Turdus*, *stet TURDUS LAWRENCII*, nobis, hoc loco, species renovata.
1878. LYLE, D. A. The Robin's [*Turdus migratorius*] Food. < *Am. Nat.*, xii, No. 7, July, 1878, pp. 448-453.
Detailed account of the enormous quantity and variety of food consumed by a captive Robin.
1878. READ, M. C. Variations in Robins' [*Turdus migratorius*] Nests. < *Science News*, i, No. 2, Nov. 15, 1878, p. 32.
1878. TURNER, H. W. Nesting of the Robin [*Turdus migratorius*] on the Ground. < *Am. Nat.*, xii, No. 1, 1878, p. 53.
1879. ALLEN, J. A. Odd Behavior of a Robin [*Turdus migratorius*] and a Yellow Warbler. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 178-182.
The curious case given by Miss O. C. Coolidge is here amplified, with account of similar doings of *Dendroica aestiva*.
1879. ANON. Nesting of Swainson's Thrush (*Turdus swainsoni*). < *The Oölogist*, iv, No. 12, summer, 1879 (an extra number), pp. 93-95, cut.
In Herkimer County, N. Y. Extended original observations, with cut of nest and eggs.
1879. BOARDMAN, G. A. Interesting Note on Albinism. < *Forest and Stream*, xiii, Aug. 7, 1879, p. 525.
Note on albino *Hirundo horreorum*, and on melanotic *Turdus migratorius*.
1879. COUES, E. Le Conte's Thrasher (*Harporhynchus leconteii*). < *The Oölogist*, iv, No. 12, summer, 1879 (extra number), pp. 99, 100.
Quoted from the *Birds of the Colorado Valley*, pt. i, 1878, p. 72.
1879. [COOLIDGE, Miss O. C.] A Robin's [*Turdus migratorius*] Persistency. < *Watertown* (N. Y.) *Daily Times*, May 24, 1879.
In tapping for several days at a window. See full account of the same case, and another instance of the same behavior in the case of *Dendroica aestiva*, *Bull. Nutt. Ornith. Club*, iv, 1879, p. 178.
1879. HENSHAW, H. W. Remarks upon *Turdus pallasi* and its Varieties. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 134-139.
Carefully distinguishing *T. nanus* and *T. auduboni* from *T. pallasi* proper.
1879. HOLMES, MARY E. Another Lesson from the Robin [*Turdus migratorius*]. < *Science News*, i, No. 10, Mar. 15, 1879, pp. 155, 156.
Referring to M. C. Read's article of similar title (*tom. cit.*, pp. 117, 118), the writer gives her own experiences with a Robin in captivity.
1879. HOLZAPPEL, J. [Occupation by *Turdus mustelinus* of a nest of *Cardinalis virginianus*] < *The Oölogist*, v, No. 1, July, 1879, p. 3.
1879. [INGERSOLL, E.] Nest and Eggs of the Texas Thrasher (*Harporhynchus rufus* var. *longirostris*.) < *The Oölogist*, iv, No. 10, May, 1879, pp. 75, 76, pl. (not numbered), fig. 3.
Editorial extracts from the published observations of G. B. Sennett and J. C. Merrill.

1879. "ISSAQUENA." Are Robins [*Turdus migratorius*] Topers? < *Forest and Stream*, xiii, Sept. 18, 1879, p. 646.
Further discussion from *tom. cit.*, p. 554. The writer considers that the birds gorge themselves with the China berries and become helpless from this cause.
1879. LOCKWOOD, S. Rob: A Bird Biography [*Turdus migratorius*]. < *Am. Nat.*, xiii, No. 4, Apr., 1879, pp. 359-366.
Very full and entertaining account of the habits of a pet Robin.
1879. LUM, S. K. Notes on the Thrushes [*Turdidæ*] of Washington Territory. < *Am. Nat.*, xiii, No. 10, Oct., 1879, pp. 629-632.
Field-notes on the habits and local distribution of various species.
1879. RAGSDALE, G. H. Olive-backed Thrush (*Turdus swainsoni*) in Texas. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 116.
1879. READ, M. C. A new Lesson from the Robin [*Turdus migratorius*]. < *Science News*, i, No. 8, Feb. 15, 1879, pp. 117, 118.
With reference to the migrations of the bird.
1879. SENNETT, G. B. The Curve-billed Thrush (*Harporhynchus curvirostris*), its Nest and Eggs. < *The Oölogist*, iv, No. 10, May, 1879, pp. 74, 75, pl. —, f. 2.
From advance sheets of the paper in *Bull. U. S. Geol. and Geogr. Surv. Terr.*, v, No. 2, Sept. 6, 1879.
1879. ST. CLAIR, [J. W.] St. Clair on the Robin [*Turdus migratorius*]. < *Forest and Stream*, xiii, Oct. 30, 1879, p. 765.
1879. STAPLES, E. F. Odd. < *Forest and Stream*, xii, June 12, 1879, p. 385.
A Robin (*T. migratorius*) with the voice of a Whip-poor-will.
1879. TAYLOR, N. A. Are Robins [*Turdus migratorius*] Topers? < *Forest and Stream*, xiii, Aug. 14, 1879, p. 544. (See p. 646.)
Denying statement in *Forest and Stream* by J. W. St. Clair (*tom. cit.*, p. 765) that Robins are intoxicated by feeding on the berries of the China tree (*Melia azedarach*).
1879. W. B. A Few Questions Discussed. < *Forest and Stream*, xiii, Sept. 11, 1879, p. 625. (See pp. 544, 646, 765.)
Slightly ornithological. Explains apparent "intoxication" of Robins by stating that they become choked by a China berry of unusual size.

Hydrobatidæ.

1816. V[IEILLOT, L. P.]. Aguassière, Hydrobata. < *Nouv. Dict. d'Hist. Nat.*, i, 1816, pp. 219, 220.
Hydrobata albicollis, g. sp. n., p. 219. (*Hydrobata* also in *Analyse*, 1816. Not *Hydrobates*, Boie, 1822.) Antedated by *Cinclus* Bechst., *Naturg. Vög. Deutschl.*, iii, 1802, p. 808. The latter name is now in almost universal employ. (Not *Cinclus* Gray, *G. of B.*, iii, 549, ex Moehr., 1752, which = *Strepsilas* Illiger, 1811.)
1829. THOMPSON, T. Birds presented to the Hull Literary and Philosophical Society. < *Loudon's Mag. Nat. Hist.*, ii, 1829, pp. 301, 302.
 A note on *Sternus cinclus* (*Cinclus aquaticus*), which the writer conceives should be written *S. "cinctus"*, because he can make nothing of the word *cinclus*!
1832. "SUBSCRIBER." The Term *Cinclus*, as the Epithet in the Name of the Species of Bird called *Sturnus Cinclus*. < *Loudon's Mag. Nat. Hist.*, v, 1832, p. 734.
1833. FALK, V. Bidrag till Strömstarens [*Cinclus aquaticus*] Natural-Historia. < *Tidsk. f. Jägare o. Naturf.*, ii, 1833, pp. 671-673.
1834. BONAPARTE, C. L. [*Cinclus unicolor* = *C. pallasii*.] < *Oken's Isis*, Bd. xxvii, 1834, p. 813.
 Auszug aus *Philos. Mag.*, ix, 1831, p. —.
1834. "T. G." The Water Ouzel [*Cinclus aquaticus*]. < *Loudon's Mag. Nat. Hist.*, vii, 1834, pp. 540-542.
1834. "TIRO." The Water Ouzel [*Cinclus aquaticus*]; its Song and Nest. < *Loudon's Mag. Nat. Hist.*, vii, 1834, pp. 542, 543.
1835. MORRIS, F. O. Notices of the Affinities, Habits, and certain Localities of the Dipper (*Cinclus aquaticus*). < *Loudon's Mag. Nat. Hist.*, viii, 1835, pp. 374-376.
1835. WATERTON, C. The Dipper [*Cinclus aquaticus*]. < *Loudon's Mag. Nat. Hist.*, viii, 1835, pp. 514-516.
 Controversy with F. O. Morris (*op. cit.*, p. 375) respecting the queer notion that Waterton had, that birds do not oil their feathers.
1844. JERDON, A. Notes on [the habits of *Cinclus aquaticus*] the Dipper. < *Zoologist*, ii, 1844, p. 450.
1847. ANON. Habits of the Water-Ouzel [*Cinclus aquaticus*]. < *Zoologist*, v, 1847, p. 1875.
 From 'Wild Sports in the Highlands,' p. 198.
1849. OLANS, J. Note on the Water Ouzel (*Cinclus aquaticus*). < *Zoologist*, vii, 1849, p. 2526.
1856. BREHM, [C.] L. Ueber die Wasserschwätzer, *Cinclus*, Bechst. < *Naumannia*, vi, 1856, pp. 178-189.
 Beschreibung, Aufenthalt, Betragen, Nahrung, Fortpflanzung, Feinde, Jagd und Fang, Nutzen. 6 spp.—*C. aquaticus*, *C. medius*, *C. meridionalis*, *C. peregrinus*, *C. septentrionalis*, *C. melanogaster*.
1856. COUCH, J. Particulars of some of the Habits of the Dipper (*Cinclus aquaticus*). < *Zoologist*, xiv, 1856, pp. 5250, 5251.
1856. GLOGER, C. W. L. Was den Wasserschwätzer [*Cinclus aquaticus*] stellenweise ganz vertreibt und die Gebirgs-Bachstelze [*Motacilla*] ebenda selten macht. < *J. f. O.*, iv, 1856, pp. 502-504.
1856. STEVENSON, H. Note on the Common Dipper (*Cinclus aquaticus*) near Norwich. < *Zoologist*, xiv, 1856, p. 5061.
1857. MATHEWS, M. A. Velocity of the Flight of the Water Ouzel [*Cinclus aquaticus*; over 20 miles an hour.] < *Zoologist*, xv, 1857, p. 5791.

1857. STEVENSON, H. Inquiry respecting the Plumage of the Common Dipper [*Cinclus aquaticus*]. < *Zoologist*, xv, 1857, p. 5751.
1858. KINAHAN, J. R. On the subaqueous habits of the Water Ouzel (*Cinclus aquaticus*). < *Nat. Hist. Rev. (Pr. Soc.)*, v, 1858, pp. 91-94.
1859. BREHM, [C.] L. Etwas über das königl. zoologische Museum zu Dresden. < *J. f. O.*, vii, 1859, pp. 470, 471.
Cinclus leucogaster brachycercus, *C. l. macrourus*, subspp. nn., p. 471, Siberia.
1859. GOULD, J. On two New Species of *Cinclus* [*C. cashmeriensis*, *C. sordidus*]. < *P. Z. S.*, xxvii, 1859, pp. 493, 494.
1859. SMURTHWAITE, H. Curious Situation for a Dipper's [*Cinclus aquaticus*] Nest. < *Zoologist*, xvii, 1859, p. 6561.
1860. GOULD, J. On two New Species of *Cinclus*. < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, p. 502.
 From *P. Z. S.*, Dec. 13, 1859, pp. 493, 494, *q. v.*
1860. HOMEYER, A. v. Ein Moment aus dem Leben eines Wasserschwätzerpaares [*Cinclus aquaticus*]. < *J. f. O.*, viii, 1860, pp. 301, 302.
1863. SAXBY, H. L. Food of the Dipper (*Cinclus aquaticus*). < *Zoologist*, xxi, 1863, p. 8631.
1865. ALSTON, E. R. Habits of the Water Ouzel [*Cinclus aquaticus*]. < *Zoologist*, xxiii, 1865, pp. 9432, 9433.
1865. CRISP, E. On the Anatomy and Habits of the Water-Ouzel (*Cinclus aquaticus*). *Proc. Zool. Soc.*, 1865, pp. 49-52.
 This is an important and interesting contribution to the subject.
1865. CRISP, E. On the Anatomy and Habits of the Water-Ouzel (*Cinclus aquaticus*). < *Ann. Mag. Nat. Hist.*, 3d ser., xvi, 1865, pp. 49-52.
 From *P. Z. S.*, Jan. 10, 1865, pp. 49-52, *q. v.*
1867. FEILDEN, H. W. Nesting of the Dipper [*Cinclus aquaticus*]. < *Zoologist*, 2d ser., ii, 1867, pp. 755, 756.
1867. HARTLAUB, G. [The original description of *Cinclus leucogaster* Eversm. believed to have been published in that part of the "Addenda ad Zoographiam Rosso-Asiaticam" of which the whole edition was destroyed by fire excepting a very few copies.] < *Ibis*, 2d ser., iii, 1867, p. 383.
1866. RODD, E. H. Nesting of the Dipper [*Cinclus aquaticus*]. < *Zoologist*, 2d ser., i, 1866, pp. 268, 269.
1867. TRISTRAM, H. B. [The *Cinclus* which breeds in the Pyrenees is *C. melanogaster*.] < *Ibis*, 2d ser., iii, 1867, pp. 466, 467.
1867. SALVIN, O. [Note on *Cinclus leucogaster* Eversm.] < *Ibis*, 2d ser., iii, 1867, pp. 382, 383.
 With reference to the publication of the name in *Tchihatcheff's Voy. Scient. dans l'Altai Orient.*, 1845, p. 442. Cf. *Ibis*, 1867, pp. 118 and 383.
1867. SALVIN, O. On the Genus *Cinclus*. < *Ibis*, 2d ser., 1867, iii, pp. 109-122, pl. ii.

This article is *facile princeps* among those treating of the present family, and remains the leading authority. The species and races are handled upon philosophical principles which were not usually applied to the solution of such questions at that date, and treated with synonymy, description, habitat, and much critical comment. Thirteen forms of the genus are recognized, arranged in five main stems, with four more "representative" branches, and four "local" twigs. These are: *AQUATICUS*, with races (*aquaticus*), *albicollis*, and *melanogaster*, and *cashmiriensis* and *leucogaster* as representative species; *SORDIDUS*, alone; *PALLASI*, with (*pallasi*), *marila*, and *asiaticus* as races; *MEXICANUS*, with *ardesiacus* (p. 121, pl. ii, sp. n.) as its representative species; and *LEUCOCEPHALUS* with *leuconotus* as its representative.

"We thus have five well-marked forms of *Cinclus*:—1. *Cinclus aquaticus*, which consists of three constant but nearly allied local races [1, *aquaticus*, 2, *albicollis*, 3, *melanogaster*] and two more distinct representative species [4, *cashmiriensis*, 5, *leucogaster*], all occupying different geographical areas; 2. [6] *Cinclus sordidus*, which seems to stand alone; 3. *Cinclus pallasi*, represented by three distinguishable races [7, *pallasi*, 8, *marila*, 9, *asiaticus*] occupying distinct districts; 4. *Cinclus mexicanus*, which is represented by two forms [10, *mexi-*

1867. SALVIN, O.—Continued.

canus, 11, *ardesiacus*]; and 5. *Cinclus leucocephalus*, also represented by two members [12, *leucocephalus*, 13 *leuconotus*].—the total number of recognizable species being *thirteen*."

Reviewing the whole literature of the family, I make out the following list of nominal species, in alphabetical order, with the references:—

- albicollis** (HYDROBATA), Vieill., Nouv. Dict., i, 1816, p. 219.....S. EUR., LEBANON.
albiventris (CINCLUS AQUATICUS var.), Hempr. & Ehrenb., "Symb. Phys., 1820-25, Aves, fol. bb."=*albicollis*.
americanus (CINCLUS), Sw., Fn. Bor.-Am., ii, 1831, p. 173=*mexicanus* Sw.
aquaticus (CINCLUS), Bechst., Naturg. Vög. Deutschl., iii, 1802, p. 808...CENT. EUROPE.
aquaticus (CINCLUS), Tristr., Ibis, 1864, p. 436=*albicollis* V.
ardesiacus (CINCLUS), Salv., Ibis, 2d ser., iii, 1867, p. 121, pl. ii.....VERAGUA.
asiaticus (CINCLUS), Sw., Fn. Bor.-Am., ii, 1831, p. 174HIMALAYAN ASIA.
bicolor (HYDROBATA), Vieill., ———?
brachycercus (CINCLUS LEUCOGASTER var.), Brehm, J. f. O., 1859, p. 471=*leucogaster*.
cashmeriensis (CINCLUS), Gould, P. Z. S., 1859, p. 494THIBET.
cinclus (STURNUS), Linn., Syst. Nat., i, 1766, p. 290=*melanogaster*, Br.
cinclus (STURNUS), Gm., Syst. Nat., i, 1788, p. 803=*aquaticus* ×.
cinclus var. (STURNUS), Pall., Zoog. R.-A., i, 1831, p. 426=*leucogaster*?
cinclus (HYDROBATA), L. Adams, P. Z. S., 1858, p. 439=*cashmiriensis*.
europæus (CINCLUS), Steph., Shaw's G. Z., x, 1817, p. 313=*aquaticus* ×.
gularis (TURDUS), Lath., Ind. Orn. Suppl., 1802, pl. xl=*aquaticus* ×.
leucocephalus (CINCLUS), Tschudi, Arch. f. Naturg., 1844, (1), p. 279.....PERU.
leucocephalus (CINCLUS), Lafr., Rev. Zool., 1847, p. 68=*leuconotus*.
leucogaster (CINCLUS), Eversm., "Add. ad Zoog. R.-A."; "Tchihatcheff's Voy., 1845, p. 442"; (cf. Ibis, 1867, pp. 117, 118, 382, 383)SIBERIA.
leuconotus, Sol., P. Z. S., 1857, p. 274ECUADOR.
macronotus (CINCLUS LEUCOGASTER var.), Brehm, J. f. O., 1859, p. 471=*leucogaster*.
maculatus (CINCLUS), Hodgs., "Zool. Misc., 1844, pp. 83, 73"=*asiaticus*.
marila (HYDROBATA), Swinh., "J. N. China Br. Roy. Asiat. Soc. 1859"; Ibis, 1860, p. 187.....FORMOSA.
medius (CINCLUS), Brehm, Naum., vi, 1856, 185=*aquaticus*.
melanogaster (CINCLUS), Brehm, Lehrb. Eur. Vög., i, 1823, p. 289N. EUROPE.
meridionalis (CINCLUS), Brehm, Naum., vi, 1856, p. 186=*albicollis*.
mexicanus (CINCLUS), Sw., Philos. Mag., i, 1827, p. 368N. AMERICA.
mortoni (CINCLUS), Towns., Narr., 1839, p. 337=*mexicanus*.
pallasii (CINCLUS), Temm., Man., i, 1820, p. 177; iii, 1835, p. 107E. ASIA, JAPAN.
pallasii (CINCLUS), Bp., Ann. Lyc. N. Y., ii, 1826, p. 439=*mexicanus*.
pallasii (CINCLUS), Gould, "Cent. B., pl. 24"=*asiaticus* Sw.
pallasii (CINCLUS), Swinh., Ibis, iv, 1863, p. 272=*marila* Swinh.
peregrinus (CINCLUS), Brehm., Naum., vi, 1856, p. 187=*melanogaster*.
rufipectoralis (CINCLUS), Brehm, Naum., vi, 1856, p. 186=*albicollis*.
rufiventris (CINCLUS AQUATICUS var.), Hempr. & Ehrenb., "Symb. Phys., 1820-25," p. —,=*albicollis*.
rupestris (CINCLUS), Brehm, Naum., vi, 1856, p. —=*albicollis*.
septentrionalis (CINCLUS), Brehm, Lehrb. Eur. Vög., i, 1823, p. 287=*melanogaster* Br.
sordidus (CINCLUS) Gould, P. Z. S., 1859, p. 494THIBET.
tenuirostris (CINCLUS), "Gould," Bp., Consp. Av., i, 1850, p. 252=*asiaticus* Sw.
townsendii (CINCLUS), "Aud.," Towns., Narr., 1839, p. 340=*mexicanus*.
unicolor (CINCLUS), Bp., Zool. Journ., iii, 1827, p. 52=*mexicanus*.

1870. GOULD, J. [Remarks on exhibition of some English specimens of Water-ouzels (*Cinclus aquaticus*).] < P. Z. S., xxxviii, 1870, p. 384.

1871. GURNEY, J. H., JR. Dipper [*Cinclus aquaticus*] at Rye and Bridlington. < Zoologist, 2d ser., vi, 1871, p. 2848.

1874. COUES, [E.] The Dipper [*Cinclus mexicanus*]. < Am. Sportsman, 1874, p. 97, fig.

Figure and brief notice.

1878. [FITCH, E. H.] The Water Ouzel or American Dipper. (*Cinclus mexicanus*). < The Journ. of Sci., (Toledo, Ohio), 2d ser., No. 8, Nov., 1878, fig.

Popular biography of the bird, with a cut.

1878. MUIR, J. The Humming-Bird [*i. e.*, *Cinclus mexicanus*!] of the California Water-Falls. < Scribner's Monthly Mag., vol. xv, Feb., 1878, No. 4, pp. 545-554, figs.

Popular, with pretty but marvellous cuts.

Formicariidæ.

1792. SCHRANK, F. V. PAULA. Beschreibung eines seltenen Vogels aus der Gattung der Würger [*Lanius surinamensis*]. < *Abh. einer Privatgesell. von Naturf. und Oekon. Oberdeutschl.*, 1^{ster} Theil, 1792, pp. 95, 98, pl. vi.
Not seen—nor do I know that it belongs here. But there are no *Laniidæ* in Surinam, and I presume that some Formicarian is meant. Cf. *Meyer's Zool. Annalen*, i, 1794, pp. 56, 137.
1825. LESSON, R. P. Sur deux nouveaux genres d'oiseaux, *Formicivora* et *Drymophila*, . . . ; par W. Swainson. . . . < *Féruss. Bull.*, 2^e sect., vi, 1825, pp. 410–411.
Extr. du *Zool. Journ.*, ii, No. 6, Juin, 1825, pp. 145–154.
1825. SUCH, G. Descriptions of some new Brazilian species of the family Laniadæ [*i. e.*, Formicariidæ]. < *Zool. Journ.*, i, 1825, pp. 554–559, pll. suppl. 5–8.
Thamnophilus swainsonii, p. 556, pl. 5; *T. maculatus*, p. 557, pl. 6; *T. vigorsii*, p. 557, pl. 7, 8; *T. leachii*, p. 588; *T. ruficeps*, *Drymophila variegata*, p. 559.
1825. SWAINSON, W. The characters and descriptions of seven Birds belonging to the genus *Thamnophilus*. < *Zool. Journ.*, ii, 1825, pp. 84–93.
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1835. MÉNÉTRIÉS, E.—Continued.

p. 513 (Asiatic!). *F. gularis*, p. 514 (Asiatic!). *Leptorhynchus* (g. n., p. 515) *guttatus*, sp. n., p. 516, pl. 10, f. 1. *L. striolatus*, p. 517, pl. 10, f. 2. *Oxygyga* (g. n., p. 519) *scansor*, sp. n., p. 520, pl. 11 [= *Sclerurus* Sw., 1827—*Anabatidae*]. *Malacorhynchus* (g. n., p. 522) *cristatellus*, sp. n., p. 523, pl. 12 [= *Merulaxis* Less., 1830—*Pteroptochidae*]. *M. rhynolophus*, p. 524. *M. albi-ventris*, sp. n., p. 525, pl. 13, f. 2. *M. speluncæ*, sp. n., p. 527, pl. 13, f. 1. *M. chilensis*, sp. renom., p. 527. *M. indigoticus*, p. 529. *Conopophaga leucotis*, p. 532. *C. dorsalis*, sp. n., p. 533, pl. 14, f. 2. *C. vulgaris*, sp. renom., p. 534, pl. 14, f. 1. *C. nigrogenys*, p. 536, pl. 15, f. 1. *C. melanogaster*, sp. n., p. 537, pl. 15, f. 2. *C. naevia*, p. 538.

1839. LESSON, R. P. Révision de la famille des Fourmilliers (Myiotherideæ). < *Revue Zoologique*, ii, 1839, pp. 135, 136.1839. LESSON, R. P. Cadre spécifique des oiseaux de la famille des Myiothères. < *Revue Zoologique*, ii, 1839, pp. 225, 226.
31 genres.1840. BONAPARTE, C. L. Catalogue d'Oiseau du Mexique et du Pérou. < *Rev. Zool.*, iii, 1840, pp. 19, 20.

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1840. LAFRESNAYE, [F.] DE. Réponse de M. de La Fresnaye aux réflexions ornithologiques de M. Lesson. < *Revue Zoologique*, iii, 1840, pp. 130-132.1840. LESSON, R. P. Réflexions ornithologiques. < *Revue Zoologique*, iii, 1840, pp. 97, 98.

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1842. LAFRESNAYE, F. DE. [Ueber *Myothera longirostris* s. *caudacuta*.] < *Oken's Isis*, Bd. xxxv, 1842, p. 56.

Auszug aus d. *Guér. Mag. Zool.*, Bd. iii, 1833, pl. 10.

N. B. This title is misplaced. It should be on p. 531, *antèd*, (*Anabatidae*).

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Sur le genre *Myrmornis*, établi par J. Hermann (*Tab. Affn. Anim.*, p. 188), en 1783; il serait donc contemporain avec *Formicarius* Bodd., 1783.

1849. STRICKLAND, H. E. Holoenemis nævius, Gmelin. < *Jard. Contrib. Orn.*, 1849, p. 34, pl. xviii.1853. LAFRESNAYE, F. DE. Mélanges ornithologiques. < *Rev. et Mag. de Zool.*, v, 1853, pp. 337-340.

§ 1. La diagnose et de cinq espèces du genre *Thamnophilus*.—*T. nævius*, *coerulescens*, *maculatus*, *atripuleus* et *tenuipunctatus* (sp. n., p. 339). § 2. Sur l'oiseau de Paradis émeraude, (*Paradisca apoda*).

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1855. SCLATER, P. L. Descriptions of some new Species of Ant-Thrushes (Formicariæ) from Santa Fé di Bogota. < *P. Z. S.*, xxiii, 1855, pp. 88-90, pll. (Aves) xciv-xcvi.

Grallaria hypoleuca, p. 88; *G. modesta*, pl. xciv; *Chamaeza mollissima*, pl. xcvi; *Formicivora callinota*, pl. xcvi, p. 89; *Dysithamnus semicinereus*, pl. xcvi; *Pyriglena tyrannina*, pl. xcvi, p. 90.

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Systematic, synonymic, descriptive synopsis of 39 spp., with critical comment, introduced by list of 14 doubtful species which have been referred to the genus. *T. ventralis*, p. 244, sp. n. Other lately new spp. were descr. by the writer, *P. Z. S.*, Jan., 1855, pp. 18, 19, q. v.

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Very full synonymy, characters, and distribution of all the species, with list of 22 spp. not recognized by the author. *Thamnophilus amazonicus*, p. 214, pl. cxxxix; *Pyrgiptila*, n. g., p. 220; *Myrmotherula* (g. n.) *multostriata*, p. 234, pl. cxli; *Formicivora erythroceera*, p. 240, pl. cxlii; *Cercomacra* (n. g., p. 244) *nigricans*, p. 245; *Pyriglena maculicauda*, p. 247; *Hypocnemis schistacea*, p. 252; *Gymnocichla*, n. g., p. 274; *Myrmelastes* (g. n., p. 274) *plumbcus*, p. 274, pl. cxliii; *M. nigerrimus*, p. 275; *Grallaricula*, g. n., p. 283, figg., spp. nn.
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The Formicarian is *Thamnophilus leucopygus*, p. 401, Panama.
1868. SCLATER, P. L. Descriptions of some New or little-known Species of Formicarians. < *P. Z. S.*, xxxvi, 1868, pp. 571-575, pl. xliii, woode.
Thamnophilus nigriceps, *Neotantes* (n. g.) *niger*, p. 571, woode.; *Hypocnemis hypoxantha* (pl. xliii), *Heterocnemis simplex*, p. 573; *Conopophaga gutturalis*, p. 574, spp. nn., with list of 37 spp. of the family. In the author's collection 178 species of the family were represented by 381 specimens.
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The Formicarians are *Gymnocichla chiroleuca*, p. 417, and *Grallaria princeps*, p. 418; with a list of six spp. of the latter genus.
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1874. PELZELN, A. V. [Letter relating to "Pithys rufigula Bodd" (cf. *Ibis*, 1873, 113); = *Phæornis obscura* (Gm.).] < *Ibis*, 3d ser., iv, Oct., 1874, pp. 461, 462.
1877. SCLATER, P. L. Description of two new Ant-birds of the Genus Grallaria, with a List of the known Species of the Genus. < *Ibis*, 4th ser., i, Oct., 1877, pp. 437-451, pll. viii, ix.
Many important additions to the group as given by him in *P. Z. S.*, 1858, pp. 202, 232, 272; see also *P. Z. S.*, 1868, p. 571. In 1842, Lafresnaye had given 9 spp.: in 1873, in the *Nomenclator Av. Neotrop.*, the author and Salvin gave 20. Here are 27 spp.; among them *G. haplota*, p. 442, Venezuela, and *G. flavotincta*, p. 445, pl. ix, Antioquia, spp. nn. *G. ruficeps* figured on pl. viii. These are all treated with synonymy, diagnosis, habitat, and comment: they are divided into 4 sections—*Grallariæ squamigeræ*, *reges*, *uniformes*, *flammulatæ*. The genus is made to cover the following names: *Myioturdus* and *Myiotrichus* Boie, *Calobathris* and *Codonistris* Gloger, (*Handb. u. Hülfsb. d. Nat.*, 1842, pp. 304 and 303), and *Hypsibemon* Cab.

Tyrannidæ.

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Le Tyran huppé de Cayenne, pl. enlum., 289, devenu aujourd'hui la *Muscivora regia* (Gm.) ou *coronata* (Müll.).
1821. MAXIMILLIAN, —. Ueber den Fliegenfänger mit verticalen Schwanz-Federn. *Muscicapa Alektor*. < *Oken's Isis*, Jahrg. v, 1821, pp. 647-649.
Alectrurus tricolor, Vieill. Gal. Ois., p. 132.
1824. THUNBERG, C. P. De Genere Megarhyncho. Præs. C. P. Thunberg, Resp. O. A. Schærström, Gestr. Hels. Upsalæ, 1824. 4°. pp. 6.
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Not seen.
1828. LESSON, [R. P.] Sur les Pie-Grièches tyrans [Tyrannidæ] de l'Amérique; par William Swainson. . . . < *Féruss. Bull.*, 2° sect., xiii, 1828, pp. 433-435.
Précis de cette monographie: *Edinb. Journ. Sci.*, No. 40, pp. 267-285.
1833. SWAINSON, [W.] Swainson über die Tyrannen-Würger in America. < *Oken's Isis*, Jahrg. 1833, pp. 935, 936.
Auszug aus d. *Quart. Journ. Sci. Roy. Inst.*, xx, 1826, pp. 267-285.
Diagnostik von 18 Arten *Tyrannus*: *T. sulphuratus*, *pitangua*, *audax*, *crinitus*, *calcaratus* n., *crassirostris* n., *vociferans* n., *intrepidus*, *griseus*, *crudelis* n., *leucotis* n., *cinereus*, *rufescens* n., *ambulans* n., *nengeta* Marc., *savana*, *longipennis* n.
1837. LAFRESNAYE, F. DE. Observations sur le Roitelet omnicolor, et sur le mélanisme ou la variété noire chez les Oiseaux de proie. (Mém. Soc. Acad. de Falsaise, 1835.) < *L'Institut*, v, No. 217, 1837, pp. 230, 231.
Pas vues moi-même; le titre tiré de la *Bibl. de Carus* et Engelm.—Voir *Isis*, 1837, pp. 842, 843. (*Regulus omnicolor* Vieill. = *R. azaræ* Licht. = *Cyanotis azaræ* Gray.)
1837. LA FRESNAYE, [F.] DE. *Regulus unicolor* [sc. omnicolor] aus Brasilien. < *Oken's Isis*, Bd. xxx, 1837, pp. 842, 843.
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1843. BAIRD, W. M., and BAIRD, S. F. Descriptions of two Species, supposed to be new, of the Genus *Tyrannula* Swainson, found in Cumberland County, Pennsylvania. < *Proc. Acad. Nat. Sci. Phila.*, i, 1843, pp. 283-286.
T. flaviventris, p. 283; *T. minima*, p. 284.—This is the first scientific paper ever published by S. F. Baird.
1844. BAIRD, W. M., and BAIRD, S. F. Descriptions of two species, supposed to be new, of the genus *Tyrannula*, (Swainson,) found in Cumberland County, Penn. < *Sillim. Am. Journ. Sci.*, xlv, 1844, pp. 273-276.
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1844. [LAFRESNAYE, F. DE.] *G. Conophaga*. Vieill. *C. ruficeps* Lafr. < *Guér. Mag. de Zool.*, 2° ser., année 1844, Oiseaux, pp. 1, 2, pl. 51.
Todirostrum ruficeps, Lafr., *R. Z.*, 1843, p. 291 (*Euscarthmus*).

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13 esp.; *Todirostrum flavifrons*, *T. plumbeiceps*, 361; *T. furcatum*, *T. palpebrosum*, p. 362; *T. spiciferum*, *T. squamærista*, p. 363, spp. nn.
1847. GAMBEL, W. [Exhibition of an albino specimen of the Wood Pewee (*Muscicapa* (i. e., *Contopus*) *virens*).] < *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, p. 278.
1848. LAFRESNAYE, F. DE. Sur les genres *Attila*, Lesson, et *Dasycephala* Swainson. < *Revue Zoologique*, xi, 1848, pp. 39-48.
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1849. [JARDINE, W.] *Taenioptera alpina*, Jardine [n. sp.]. < *Jard. Contrib. Orn.*, 1849, p. 47, pl. xxi.
1850. STRICKLAND, H. E. *Elenia linteata*, Strickland [sp. n.]. < *Jard. Contrib. Orn.*, 1850, p. 121, pl. lxiii.
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Behandelt 5 Arten, nebst Synonymik und Artkennzeichen. Cf. *J. f. O.*, 1859, pp. 329-337.
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Very complete commentary. The chars. of Thunberg's 8 spp. are reproduced, followed by a bibliography of the genus and of *M. pitangua*, *M. chrysocephalus* and *M. mexicanus*.
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Index *Elainæ* generis 17 specierum, adjectis synonymis, locis. *E. semipagana*, p. 406; *E. pallatangæ* (tab. lxi); *E. subplacens*, p. 407; *E. implacens*, p. 408, spp. nn.
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This is a subhead of an article of more extended scope. It appears in German in *Arch. f. Naturg.*, 1865, Bd. i, pp. 74-106, q. v. The authors treat of 15 spp. of the genus, among which *M. cinerea*, p. 422; *M. rubricapilla*, p. 429; *M. flavivertex*, p. 434; and *M. nigricans*, p. 436, are described as new. Cf. Cab., *J. f. O.*, 1860, p. 249, note; Sel., *Ibis*, 1865, p. 59.
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This is a subtitle of an article of more extended scope, which originally appeared in Spanish in *Anales Univ. Chile*, xxv, 1864, pp. 418-439, q. v. The 15 species treated are *MM. albifrons*, *cinerea*, *maculirostris*, *mentalis*, *rubricapilla*, *rufiventris*, *flavivertex*, *nigrifrons*, *striaticeps*, *frontalis*, *capistrata*, *brunnea*, *flavinucha*, *albiflora*, *albimentum*.
Among them are four species from the Cordilleras of Chili not described by previous authors, namely: *M. cinerea*, p. 80; *M. rubricapilla*, p. 90; *M. flavivertex*, p. 98; and *M. nigrifrons*, p. 101.—Cf. *Ibis*, 1866, pp. 56-59. and *Zool. Rec.* for 1865, pp. 106, 107.
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Elainea gigas, p. 831, fig. 1, p. 832; *E. fallax*, p. 832, fig. 2, p. 833; *E. pudica*, p. 833, fig. 3, p. 834. With synopsis of 16 spp. of the genus.
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 The Tyrannines here described are: *Myiozetetes grandis*, p. 234, Tumbes, Peru; *Empidonax atrirostris*, p. 234, Venezuela?; and *Myiarchus yucatanensis*, p. 235, Yucatan (= *M. mexicanus* Lawr., *Ann. Lyc. N. Y.*, ix, p. 202, nec Kaup).
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1872. COUES, E. Studies of the Tyrannidæ.—Part I. Revision of the Species of *Myiarchus*. < *Proc. Acad. Nat. Sci. Phila.*, xxiv, 1872, pp. 56-81.
 No more published.—Monographic; giving synonymy and characters of 9 spp. and 6 subsp., with much criticism. The author enters at some length into the general characters of the group, laying down several formal propositions applicable to the case, as well as the arbitrary rules which may govern one in the distinguishing between species, varieties, and synonyms.
 "With *Myiarchus* are united *Kaupornis*, *Blacicus*, and *Myionax*. Five supposed species are unknown to the author, who gives the history and synonymy of the remaining nine:—1. *M. validus*; 2. *M. crinitus*, with three varieties, *a. crinitus*, *β. irritabilis* = *erythrocerus*, *Sci. & Salv. (Zool. Rec.*, iii, p. 83), *mexicanus* and *yucatanensis*, Lawr., *γ. cooperi* (*Zool. Rec.*, viii, p. 58); 3. *M. cinerascens*; 4. *M. tyrannulus* = *panamensis* and *venezuelensis*, Lawr. (*Zool. Rec.*, ii, p. 107); 5. *M. phaeocephalus*; 6. *M. lawrencii* = *rufimarginatus*, and *nigricapillus*, Cab.; 7. *M. nigriceps*; 8. *M. stolidus*, with three varieties, *a. stolidus* = *dominicensis*, Bryant, *β. phæbe* = *lucaysiensis* and *bahamensis*, Bryant, *γ. antillarum*; 9. *M. tristis*." (From *Zool. Rec.*)
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Field-notes.
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Further (*op. cit.*, vii, 1873, 750) field-notes.
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1875. BAIRD, S. F. [Note of the occurrence of *Tyrannus verticalis* in Maryland, near Washington, D. C.] < *Ann. Rep. Smithsonian Inst. for 1874, 1875*, p. 32.
The original notice of the occurrence. The capture was made by P. L. Jouy; see his Catalogue of the Birds of the District of Columbia, in *Field and Forest*, ii, No. 9, 1877, pp. 154-156, and No. 10, 1877, pp. 178-181.
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King-birds whipping a cat. Compare p. 294.
1876. HENSHAW, H. W. On two *Empidonaces*, *traillii* and *acadiens*. < *Bull. Nutt Ornith. Club*, i, No. 1, Apr., 1876, pp. 14-17.
With special reference to differences in their geographical distribution, nests, and eggs. The subject is well handled, and the author's remarks have been established by later experiences.
S. F. Baird was the first to fix the species of our smaller Flycatchers with any satisfactory degree of precision. This he did in 1858; since which time, no material modification has been established among the N. Am. species of *Empidonax*. The history, however, of the habits of these birds, especially of their geographical distribution, nesting, and eggs, has been much involved. Little reliance can be placed on the accounts given by Wilson, Nuttall and Audubon; and even since 1858, there have been several mistakes made in the writings of Allen, Brewer and Coues, with reference to the distribution of *acadiens* in New England, and to the nests and eggs of all four of the eastern species. Late papers in the *Nuttall Bulletin*, however, have at length cleared up the confusion; and no one should presume to write on the habits of birds of this genus without consulting the present paper by Henshaw, and the several others in the *Nuttall Bulletin* by Purdie, Osborne, Batchelder and Coues, cited beyond in this bibliography.

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Kingbirds insatiable devourers of honey-bees.
1878. ALLEN, J. A. Late Capture of the Yellow-bellied Flycatcher [*Empidonax flaviventris*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 101, 102.
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1878. [FITCH, E. H.] The Wood Pewee [*Contopus virens*]. < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 2, May, 1878; cut.
Popular biography, with a figure.
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Report of meeting, and letter from H. A. Purdie concerning breeding of *Empidonax trailli*.
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Nest of a pair of *Sayornis fuscus* rebuilt seven times in the same place in one season.
1878. OSBORNE, S. D. The Nesting of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 187, 188.
Confirming H. A. Purdie's description, *op. tom. cit.*, pp. 166-168, both as to situation and structure of the nest, and as to the eggs being spotted.
1878. PECKHAM, B. J. Nesting of *Contopus virens*. < *The Oölogist*, iv, No. 5, July, 1878, p. 34.
1878. PURDIE, H. A. Trail's Flycatcher [*Empidonax trailli*]. < *Forest and Stream*, x, May 9, 1878, p. 255. See p. 216.
Bull. v, 4—5

1878. PURDIE, H. A. The Nest and Eggs of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 166-168.

Important, being a careful description of an authentic nest and eggs. Much error and uncertainty had prevailed on this subject, even among the leading writers. Both Brewer and Coues had stated the eggs to be white, whereas they are well spotted.

1878. SCLATER, [P. L.] [Remarks on Exhibition of the type of *Dicrurus marginatus* Blyth, Ibis, 1865, p. 46, = *Muscipira vetula* Licht.] < *P. Z. S.*, Mar. 19, 1878, p. 339.

1879. A[LLEN], J. A. Brewer on the Nests and Eggs of Empidonaces. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 232.

Notice of the paper in *Proc. Nat. Mus.*, ii, Apr., 1879, pp. 1-10.

1879. ANON. Nest and Eggs of *Empidonax trailii*. < *The Oölogist*, iv, No. 11, June, 1879, pp. 85, 86.

1879. BATCHELDER, C. F. Nesting of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 241, 242.

Two cases detailed, with full description of the nests and eggs.

1879. BREWER, T. M. Notes on the Nests and Eggs of the eight North American Species of Empidonaces. < *Proc. U. S. Nat. Mus.*, ii, Apr. 29, 1879, pp. 1-10.

Measurements of all the specimens in the National Museum, in the Coll. T. M. B., and a few others, with descriptions of these, and of various nests. Eggs of *E. minimus*, *obscurus*, and *hammondi* normally white, unmarked; of *E. flaviventris* normally spotted, sometimes unmarked; of *E. trailii*, *acadicus*, *pusillus*, and *difficilis* normally strongly marked.

1879. [COUES, E.] The Nest of *Empidonax minimus*. < *Temperance Tidette* (newspaper of Terrell, Texas), Nov. 1, 1879.

Quoted from his *Birds of the Northwest*, 1874, p. 255.

1879. CUNNINGHAM, S. Nest of the Great-crested Flycatcher [*Myiarchus crinitus*]. < *The Oölogist*, iv, No. 8, Mar., 1879, p. 59.

1879. [GRINNELL, G. B.] Nests and Eggs of the Genus *Empidonax*. < *Forest and Stream*, xii, July 10, 1879, p. 444.

Notice of Dr. T. M. Brewer's paper on The Nests and Eggs of the Eight North American Species of *Empidonaces* in *Pr. U. S. Nat. Mus.*, ii, 1879, pp. 1-10.

1879. HAYWARD, R. A Spotted Egg of *Empidonax minimus*. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 124.

Identification of the specimen attested by W. Brewster.

1879. OSBORNE, S. D. Another Nest of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 240, 241.

1879. RIDGWAY, R. Descriptions of New Species and Races of American Birds, including a Synopsis of the Genus *Tyrannus*, Cuvier. < *Proc. U. S. Nat. Mus.*, i, 1878 (pub. May, 1879), pp. 466-486.

I. The greater part of the paper is occupied with this excellent monography of *Tyrannus*, in which the following species are recognized and fully treated, with synonymy, diagnosis, habitat, and criticism: *T. magnirostris*, *rostratus*, *dominicensis*, *carolinensis*, *crassirostris*, *melancholicus* (*β. couehi*, *γ. satrapa*), *albigularis*, *apolites*, *niveigularis*, *verticalis*, *vociferans*, *luggeri* (n. sp., p. 481), and *aurantio-atrocristatus*.—II. *Lichenops perspicillatus*, *β. andinus*, p. 483; *Dacnis pulcherrima*, *β. aureinucha*, p. 484; *Parus rufescens*, *β. neglectus*, p. 485, sub-spp. nn.

Ampelidæ.

[NOTE.—Nearly all my titles on the genus *Ampelis* were given in *B. Col. Vall.*, i, 1878, pp. 453-459; and are not here reproduced. The family, as constituted by Gray, includes *Myiadestes* and *Phainopepla*.]

1834. HEARNE, J. [Letter on various Zoological Subjects relating to the Island of Hayti.] < *P. Z. S.*, ii, 1834, p. 25.
 'Note of a bird called the 'Musicien' (*Myiadestes elizabeth*).
1835. TREVELYAN, W. C. The Bohemian Waxwing, or Chatterer [*Ampelis garrulus*], living in a State of Domestication in England. < *Loudon's Mag. Nat. Hist.*, viii, 1835, pp. 511, 512.
1835. TURNER, H. The Bohemian Waxwing, or Chatterer [*Ampelis garrulus*], . . . < *Loudon's Mag. Nat. Hist.*, viii, 1835, p. 511.
1835. ANON. The Bohemian Waxwing, or Chatterer [*Ampelis garrulus*] (p. 511.); the Appendages to its Wings vary in Number in different Individuals: an instance of this. < *Loudon's Mag. Nat. Hist.*, viii, 1835, p. 615.
 From *The Carlisle Journal*, January, 1835.
1840. CLARKE, C. [Notes, contained in a letter, relating to a Bird called in Cuba 'The Musician'.] < *P. Z. S.*, viii, 1840, pp. 153, 154.
1845. LAFRESNAYE, F. DE. Sur le Ptilogonys nitens de Swainson, Hypotyme luisant, nob. < *Revue Zoologique*, viii, 1845, pp. 451, 452.
 This note forms a part of one of the instalments of the "Mélanges Ornithologiques".
1858. SCLATER, P. L. Note on the Genus *Cichlopsis* of Cabanis. < *P. Z. S.*, xxvi, 1858, pp. 541-543.
 Rectification of synonymy of *C. leucogonys*.—*Phainopepla*, g. n., p. 543.
1861. HEIBERG, P. V. Sidensvandsen [*Ampelis garrulus*]. < *Tidssk. Pop. Fremst, af Naturv.*, 2ⁿ række, iii, 1861, pp. 297-301.
1866. "THE OLD BUSHMAN." The Waxwing [*Ampelis garrulus*], the Pine Grosbeak, and the Crossbills. < *The Intellectual Observer*, ix, 1866, pp. 345-352.
 Interesting field-notes on the first named of these species.
1870. ALLEN, J. A. „Fugle efterstræbte af Frøer.“ < *Tidssk. for Pop. Fremst. Naturv.* 4^e ser., ii, 1870, p. 80.
Proc. Bost. Soc. Nat. Hist., 1868, p. —.
1876. [INGERSOLL, E.] The Bohemian Waxwing [*Ampelis garrulus*]. < *Forest and Stream*, vi, Apr. 13, 1876, p. 148.
 Observations in Minnesota of P. L. Hatch and Thos. S. Roberts.
1877. LAMB, W. F. Nest and Eggs of Townsend's Flycatcher [*Myiadestes townsendi*]. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 77, 78.
1877. ROWLEY, G. D. *Phainoptila melanoxantha*, Salvin. *Rowl. Orn. Misc.*, ii, pt. x, Oct., 1877, pp. 439-442, pl. lxxix.
 This lately-described species is figured, with copy of the original article, and additional matter from A. Boucard.
1877. SALVIN, O. Description of a New Genus and Species of Oscines from Costa Rica [*Phainoptila melanoxantha*]. < *P. Z. S.*, Apr. 17, 1877, p. 367.
 Provisionally placed near *Ptilogonys*, in *Ampelidæ*.

Cotingidæ.

1769. VOSMAER, A. Description | d'une belle | Grive d'Amerique [*Cotinga cayana*], | nommée | Quereiva, | Qui vient du | Bresil, | Et se conserve dans le Cabinet de | son altesse Sérénissime | Monseigneur le Prince d'Orange et de Nassau, | Stadhouder He're'ditaire, Gouverneur, Capi- | taine Ge'ne'ral et Amiral des Provinces-Unies | des Pais-Bas, &c. &c. &c. | Par | A. Vosmaer, | Directeur des Cabinets d'Histoire Naturelle & de Curiosités de S. A. S., Membre de | l'Academie Impériale, & Correspondant de l'Académie Royal des Sciences de Paris. | A Amsterdam, | Chez Pierre Meijer, M. DCC. LXIX. 4to. pp. 7. pl.
The bird here described is the *Cotinga cayanensis* of Brisson, ii, p. 344, pl. 34, f. 3, the *Quereiva* Buff. P. E. 624 = *Ampelis cayana* L.
1769. VOSMAER, A. Description | du | Coq-des-Roches | Americain [*Rupicola crocea*], | Oiseau | d'une merveilleuse beauté, très pen connu encore; apporté de | Surinam, | Pour le Cabinet de | son altesse Sérénissime | Monseigneur le Prince d'Orange et de Nassau, | Stadhouder He're'ditaire, Gouverneur, Capi- | taine Ge'ne'ral et Amiral des Provinces-Unies | des Pais-Bas, &c. &c. &c. | Par | A. Vosmaer, | Directeur des Cabinets d'Histoire Naturelle & de Curiosités de S. A. S., Membre de | l'Académie Impériale, & Correspondent de l'Académie Royal des Sciences de Paris. | A Amsterdam, | Chez Pierre Meijer, | M. DCC. LXIX. 4to. pp. 7, pl.
The bird here described is the *Cocq de Roche* Buff. P. E. 39; *Rupicola* Briss. iv, p. 437. pl. 34, f. 1 = *Pipra rupicola* L.
1823. THUNBERG, C. P. Description d'un nouveau genre d'oiseaux [*Cotinga*]. < *Mém. Soc. Nat. Moscou*, vi, 1823, pp. 175-179.
Pas vu moi-même: le titre tiré de la *Bibl. de Carus et Engelm.*
1823. THUNBERG, C. P. *Ampelis, ejus novas species præ.* C. P. Thunberg p. p., resp. O. Fr. Tullberg, Smol. Upsalia. 1823. 4to. pp. 4. 6.
Libellus haud mihi obvi.
1825. SWAINSON, W. On the genus *Psaris* of M. Cuvier, with an Account of two new Species. < *Zool. Journ.*, ii, 1825, pp. 354-357.
Ps. cristatus. p. 255; *Ps. niger*, p. 356, spp. nn.
1826. DESM . . . ST. [DESMAREST, A. G.] Description d'un nouveau genre d'oiseaux découvert dans le Brésil et nommé *Cotinga*, par C. P. Thunberg. . . . < *Féruss. Bull.*, 2^e sec., vii, 1826, p. 248.
Mém. de la Soc. Imp. des Sci. de Moscou, vi, p. 175.
1826. LESSON, [R. P.] Sur le genre *Psaris* de M. Cuvier, avec la description de deux espèces nouvelles; par William Swainson. . . . < *Féruss. Bull.*, 2^e sec., viii, 1826, pp. 442, 443.
Extrait du *Zool. Journ.*, ii, No. 7, 1825, pp. 354-357, q. v.
1826. SELBY, P. J. An Account of a new or fifth Species of the Genus *Psaris* [*erythrogenys*], Cuv. < *Zool. Journ.*, ii, 1826, pp. 483, 484.
1827. LESSON, R. P. Description d'une espèce nouvelle du genre *Psaris*, de M. Cuvier; par P. J. Selby. . . . < *Féruss. Bull.*, 2^e sect., xii, 1827, p. 267.
Ps. erythrogenys, Selby; *Zool. Journ.*, ii, 1826, p. 483.
1828. SELBY, P. J. Neue Gattung *Psaris* Cuv., . . . < *Oken's Isis*, Bd. xxi, 1828, pp. 943, 944.
Uebers. aus d. *Zool. Journ.*, ii, 1826, pp. 483, 484; *Ps. erythrogenys*.
1830. SWAINSON, [W.] Ueber die Sippe *Psaris* Cuv. < *Oken's Isis*, Bd. xxiii, 1830, p. 1038.
Uebers. aus d. *Zool. Jour.*, Bd. ii, Nr. vii, Oct., 1825, pp. 354-357.

1830. WAGLER, J. Revisio generis Pipra. < *Oken's Isis*, Bd. xxiii, 1830, pp. 926-943.
PP. ignicapilla, lanceolata, p. 931; *aurantia*, p. 935; *auricapilla*, p. 934; *perspicillata*, p. 935; *tyranulus* (sic), p. 940, spp. nn.—Expositio specierum 33, synonymis, descriptionibus et patriis redactorum, pp. 926-941.—Expositio brevior reliquarum specierum 17.
1832. CHILDREN, [J. G.] [On specimens of the Phytotoma bloxhami, Childr., collected by Mr. Cuming in Chili.] < *Proc. Comm. Sci. and Corr. Zool. Soc. Lond.*, pt. ii, 1832, p. 3.
1832. LAFRESNAYE, F. DE. Phytotome. Phytotoma, Molina, Daudin, etc. < *Guér. Mag. de Zool.*, 2^e année, classe ii, notice v, pl. v.
 Esquisse monographique sur ce genre. Pl. v, *Phytotoma rutila* V.
1835. CHILDREN, [J. G.] [Phytotoma bloxhami.] < *Oken's Isis*, Bd. xxviii, 1835, p. 365.
 Aus *P. Z. S.*, 1832, p. 3.
1838. EYDOUX, [F.] et GERVAIS, [P.] Sur quelques particularités anatomiques du Phytotoma rara de Molina. < *Guér. Mag. de Zool.*, 8^e année, 1838, classe ii, notice lxxxvi, pp. 1-4, pl. lxxxvi.
1839. LAFRESNAYE, F. DE. G. Cotinga. Ampelis. Lin. C. a plumes en lamelles. Ampelis lamellipennis. De Lafr. < *Guér. Mag. de Zool.*, 2^e sér., année 1839, Oiseaux, pp. 1, 2, pl. 9.
 C'est une *Cotinga*, du sous genre *Xipholena* Glog.
1841. PARZUDAKI, C. Manakin nouveau [Pipra candei], découvert par M. De Mausson Candé. < *Revue Zoologique*, iv, 1841, p. 306.
1842. LAFRESNAYE, F. DE. [Ueber Phytotoma.] < *Oken's Isis*, Bd. xxxv, 1842, p. 51.
 Aus d. *Mag. de Zool.*, Jahrg. ii, 1832, Klasse ii. Artikel v, Taf. 5.
1843. DES MURS, O. Notice sur le genre ornithologique rupicola ou coq de roche et considérations oologiques. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Oiseaux, pp. 1-10, pl. 37.
 Pl. 37, l'œuf de *Rupicola peruviana*.
1843. GOUDOT, J. Note sur le nidification du *Rupicola peruviana* et de l'*Eurypyga phalenoïdes*. < *Revue Zoologique*, vi, 1843, pp. 1, 2.
1843. GOUDOT, J. Observations sur l'organisation et les habitudes du coq de roche péruvien (*Pipra peruviana*, Lath.), et du caurale (*Ardea helias*, Lin.). < *Guér. Mag. de Zool.*, 2^e sér., année 1843, pp. 1-4, pl. 37, 38.
 Pl. 37, œuf du *Rupicola peruviana*; pl. 38, œuf de l'*Eurypyga phalenoïdes*.
1843. LAFRESNAYE, [F.] DE. G. Cotinga. Ampelis. L. C. a croissant. C. arcuata. De Lafresn. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Oiseaux, pp. 1, 2, pl. 40.
Rev. Zool., 1843, p. 98. (*Pyrrhorhynchus*, Lafr., 1849.)
1843. LAFRESNAYE, [F.] DE. G. Cotinga. Ampelis. L. C. a poitrine d'or. A. aureopectus. De Lafr. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Oiseaux, pp. 1, 2, pl. 39.
Rev. Zool., 1843, p. 68. (*Euchloris* De Fil., 1846.)
1843. LAFRESNAYE, [F.] DE. G. Manakin. Pipra. Linné. M. chrysoptère. P. chrysoptera. De Lafr. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Oiseaux, pp. 1, 2, pl. 44.
R. Z. 1843, p. 97. (*Masius* Bp., 1850.)
1843. PARZUDAKI, [C.] G. Manakin. Pipra. Linné. M. de Candé. Pipra Candei. Parzudaki. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Oiseaux, pp. pl. 45.
Revue Zool., iv, 1841, p. 306. (*Chiromachæris* Cab., 1847.)
1844. EYDOUX, [F.] and GERVAIS, [P.] Anatomisches über Phytotoma. < *Oken's Isis*, Bd. xxxvii, 1844, p. 405.
 Aus *Guér. Mag. de Zool.*, Jahrg. viii, 1838, Klasse ii, Notiz 86, taf. 86.
1847. LAFRESNAYE, [F.] DE. Sur le *Ptilochloris arcuatus* (*Lanius arcuatus* Cuv.), et les autres espèces du genre. < *Revue Zoologique*, x, 1847, pp. 182-185.

1847. PARZUDAKI, C. Description d'une nouvelle espèce du genre *Iodopleurus* [lege *Iodopleura*] [d'Isabelle; sic; c'est-à-dire isabellæ] (Lesson). < *Revue Zoologique*, x, 1847, p. 186.
Stet Iodopleura isabellæ.
1848. [JARDINE, W.] *Tityra surinama*, Linnaeus. < *Jard. Contrib. Orn.*, 1848, p. 62, pl. xi.
1849. HARTLAUB, G. Note monographique sur le sous-genre *Pyrrhorhynchus*. < *Rev. et Mag. de Zool.*, i, 1849, pp. 493-494, pl. 14, f. 1.
 Cinq espèces. *Ampelis formosa*, sp. n., pl. 14, f. 1.
1850. SCHOMBURGK, R. *Rupicola aurantia* (Cuv.) < *Naumannia*, i, Heft ii, 1850, pp. 34-38.
 Ein physiologisch. Beitrag.
1850. WALLACE, A. R. On the Umbrella Bird (*Cephalopterus ornatus*), "Ueramimbé," L. G. < *P. Z. S.*, xviii, 1850, pp. 206, 207.
 Description, habits, and distribution of this species; structure of the crest.
1851. WALLACE, A. R. On the Umbrella Bird (*Cephalopterus ornatus*), "Ueramimbé," L. G. < *Ann. Mag. Nat. Hist.*, 2d ser., viii, 1851, pp. 428-430.
 From *P. Z. S.*, 1850, pp. 206, 207.
1851. SCLATER, P. L. V.—On a new species of Manakin [*Pipra flavicollis*]. < *Jard. Contrib. Orn.*, 1851, p. 143.
1852. CORNALIA, E. On a New Species of the Family of Ampelidæ [*Euchlornis sclateri*]. < *Jard. Contrib. Orn.*, 1852, p. 133, pl. ci.
1852. DEVILLE, E., et SCLATER, [P. L.]. Description d'une nouvelle espèce de *Cotinga* [*porphyrolema*] provenant de l'expédition de MM. de Castelnau et Deville dans l'Amérique du Sud. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 226, 227.
1853. CORNALIA, E. Note sur une nouvelle espèce du Genre *Euchlornis* [*sclateri*]. < *Rev. et Mag. de Zool.*, v, 1853, pp. 104-109, pl. 4.
E. sclateri, p. 107, pl. 4. Notice historique et critique du genre. Tableau synoptique des espèces.
1854. CORNALIA, E. Note sur une nouvelle espèce du genre *Euchlornis* [*sclateri*]. < *Bianconi's Repert. Ital. Stor. Nat.*, ii, 1854, p. 55.
 Extrait de la *Rev. et Mag. de Zool.*, 1853, p. 107, pl. 4.
1857. GOULD, J. Descriptions of three new and very beautiful species of Birds, from Guatemala [*Cotinga amabilis*] and from the Island of Lombeck. < *P. Z. S.*, xxv, 1857, pp. 64, 65, pl. (Aves) cxxiii.
Cotinga amabilis, p. 64, pl. cxxiii; *Halcyon fulgidus*, *Pitta concinna*, p. 65.
1857. GOULD, J. Descriptions of three new and very beautiful species of Birds, from Guatemala and from the Island of Lombeck. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, pp. 380, 381.
 From *P. Z. S.*, April 28, 1857, pp. 64, 65, q. v.
1857. SCLATER, P. L. Review of the species of the South American Sub-family *Tityrinae*. < *P. Z. S.*, 1857, pp. 67-80, 2 woodc.
- The subfamily is composed of the two genera *Tityra* and *Pachyrhamphus*, the former with 6, and the latter with 16 spp. With *Tityra* are considered synonymous *Psaris*, Cuv., 1817, and *Erator*, Kaup, 1851. With *Pachyrhamphus* Gray, 1838 (*vice Pachyrhynchus*, Spix. 1824) are considered synonymous *Bathmidurus*, Cab., 1847, *Chloropsaris*, Kaup, 1851, and *Platytsaris* and *Callopsaris* Bp., 1854.—The species are treated with synonymy, diagnosis, habitat and critical commentary. Wood-cuts show the wing-structure of each genus. *Pachyrhamphus albogriseus*, p. 78, sp. n.
1857. SCLATER, P. L. Description of a new species of *Pachyrhamphus* [*albo-griseus*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, p. 398.
 From *P. Z. S.*, Apr. 28, 1857, p. 78.
1859. GOULD, J. On the Members of the Genus *Rupicola*, and whether there be Two or more Species. < *P. Z. S.*, xxvii, 1859, pp. 99, 100.
R. sanguinolenta, p. 100, sp. n.

1860. CRISP, E. [Exhibition of specimens of the Cock of the Rock (*Rupicola crocea*)]. < *P. Z. S.*, xxviii, 1860, p. 98.
1860. GOULD, J. On the Members of the Genus *Rupicola*, and whether there be Two or more Species. < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, p. 62.
From *P. Z. S.*, Feb. 8, 1859, pp. 99, 100.
1860. SCLATER, P. L. Description of a New Species of Manakin [*Pipra heterocerca*] from Northern Brazil. < *P. Z. S.*, xxviii, 1860, pp. 312, 313.
1860. SCLATER, P. L. Description of a New Species of Manakin [*Pipra heterocerca*] from Northern Brazil. < *Ann. Mag. Nat. Hist.*, 3d ser., vi, 1860, pp. 438, 439.
From *P. Z. S.*, June 12, 1860, pp. 312, 313.
1861. EYTON, T. C. Note on the Anatomy of *Cephalopterus penduliger*. < *Ibis*, iii, 1861, pp. 57, 58.
1861. SCLATER, P. L. On a New Species of Bird of the Genus *Lipaugus* of Boié [*L. subularis*]. < *P. Z. S.*, xxix, 1861, pp. 209-212.
With synopsis of 9 spp. of the genus, arranged in the 3 sections of *Lathria*, *Lipaugus*, and *Aulia*. (N. B. nomen generis *Lipaugus* nec *Lipangus* scribendum, scil. *λείπειν* deficere, *αὐγή* splendor.)
1862. SCLATER, P. L. Note on *Pipra deliciosa*. < *Ibis*, iv, 1862, pp. 175-178, pl. vi.
Referred to genus *Machæropterus*; synonymatic synopsis of 4 spp. of this genus; and reprint from *P. Z. S.* of his remarks on its wing-structure.
1862. SCLATER, P. L. On a New Species of Bird of the Genus *Lipaugus* of Boié. < *Ann. Mag. Nat. Hist.*, 3d ser., x, 1862, p. 80.
From *P. Z. S.*, May 28, 1861, pp. 209-212.
1863. SCLATER, P. L. On a New Species of the Genus *Pipra* [*lencorrhœa*] from New Grenada. < *P. Z. S.*, xxxi, 1863, pp. 63, 64, pl. x.
1865. SALVIN, O. Note on the Costa-Rican Bell-bird (*Chasmorhynchus tricarunculatus*, Verreaux) and its allies. < *Ibis*, 2d ser., i, 1865, pp. 90-95, pl. iii.
With synonymatic and diagnostic synopsis of the 4 known spp. of the genus. The species named is figured.
1866. SCLATER, P. L. Note on the Distribution of the Species of *Chasmorhynchus*. < *Ibis*, 2d ser., ii, 1866, pp. 406, 407.
Corrects some previous erroneously assigned localities; compares the distribution of the genus with that of *Galbula viridis* and its allies. Four species are treated. Cf. *Intellectual Observer*, Jan., 1867, pp. 401-408, on the same subject.
1866. ANON. Der Glockenvogel [*Chasmorhynchus nudicollis*]. < *Aus der Natur.*, xxxviii, oder n. F., xxvi, 1866, p. 783.
Grösstentheils nach Watertons „Wandernugen“ mitgetheilt.
1867. SCLATER, P. L. The Bell-Birds [*Chasmorhynchus*] of America. < *The Intellectual Observer*, x, 1867, pp. 401-408, 1 col. pl., one woodcut.
A popular account of these singular birds. The plate illustrates *C. nudicollis*.
1869. SCLATER, P. L. [Note on *Chasmorhynchus variegatus* in British Guiana.] < *Ibis*, 2d ser., v, 1869, p. 462.
1870. ANON. Der Glockenvogel [*Chasmorhynchus carunculatus*]. < *Aus der Natur.*, lii, oder n. F., xl, 1870, p. 352.
1872. ZORN, J. [Eine Siesta am Irura.] < *Westerm. illustr. deutsche Monatshefte*, Juni, 1872, pp. — —, fig.
Fig. of *Cephalopterus ornatus*.
1878. SCLATER, P. L. Revision of the Species of the Cotingine Genus *Pipreola*. < *Ibis*, 4th ser., ii, Apr., 1878, pp. 164-173, pl. vi.
Monography of 9 spp. regarded as “firmly established”, with notice of two doubtful ones, one of these being *P. chlorolepidota*, on which Swainson originally established the genus. *Euchlorornis* Cab. & H., 1859, or *Euchlornis* Filippi, Mus. Med., 1847, = *Pyrrhorhynchus* Bp., 1854, or *Pyrrhorhynchus* Lafr., 1849, = *Pipreola* Sw., 1838. The nine spp. are *riefferi*, *melanotaema*, *viridis*, *formosa*, *frontalis* (pl. vi), *sclateri*, *aureipectus*, *jucunda*, *elegans*; none new.

Vireonidæ.

1843. [LAFRESNAYE, F. DE.] G. Cyclarhis. Cyclarhis. Swainson. (Fam. Laniadae.) Gen. Laniagra, d'Orb. et Lafr. Tangara, Buff. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Ois., pp. 1-4, pl. 33.
Pl. 33, *C. nigrirostris* Lafr. (*R. Z.*, 1842, p. 133). Liste des trois espèces composant le genre.
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Vireo, 5 spp.; *V. huttoni*, p. 150, pl. x, f. 1, sp. n.; *Vireosylvia*, 6 spp.; *V. flavoviridis*, p. 152, pl. xi; *V. philadelphia*, p. 153, pl. x, f. 2, spp. nn.
1851. LAFRESNAYE, F. DE. Sur l'oiseau nommé par Brisson Tangara de Saint-Domingue, Tanagra Dominicensis, Tanagra Dominica, par Linné, figuré par Buffon, pl. enl. 156, f. 2, et dont Vieillot a fait son genre Esclave (Dulus), sous le nom de Dulus palmarum. < *Rev. et Mag. de Zool.*, iii, 1851, pp. 583-590.
1851. STRICKLAND, H. E. On the Type of the genus Dulus, Vieill. < *Jard. Contrib. Orn.*, 1851, pp. 103, 104.
Tanagra dominica L., nce *Turdus palmarum* L. Cf. Lafr., *Rev. et Mag. de Zool.*, iii, 1851, pp. 583-590. (See Gray's *Handlist*, Nos. 5827 and 7025.)
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1852. WOODHOUSE, S. W. Descriptions of new species of Birds of the genera Vireo [atricapilla, p. 60], Vieill., and Zonotrichia, Swains. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 60, 61.
1853. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Ortyx Stephens, Sterna Linn., and Icteria [longicauda, p. 4] Vieillot. < *Ann. Lyc. Nat. Hist. N. Y.*, vi, 1853, pp. 1-4.
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Including a letter from Th. Kumlein, of Wisconsin.
1860. BRYANT, H. [*Vireo bogotensis*, sp. n.] < *Proc. Bost. Soc. Nat. Hist.*, vii, 1860, p. 227.
The description occurs in an untitled article which also treats of *Turdus minimus* Lafr.
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Vireo atripennis, p. 106, Sombrero. See especially Baird, *Rev. Amer. Birds*, p. 330.
1864. BROWN, E. Occurrence of the Red-eyed Flycatcher [*Vireo olivaceus*] in England. < *Zoologist*, xxii, 1864, pp. 8965-8967.
Extracted from the "Natural History of Tutbury", p. 385.
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The writer contends that the *Vireo* captured in England, as described and figured by Moseley in *Nat. Hist. Tutbury* (pl. 6), is *V. altiloquus*, not *V. olivaceus*! A note from "B" appended suggests that the bird may be *Erythrostera parva*!!

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Phœnicomanes iora. Considered related to *Phœnicophilus*, and referred with the latter to *Vireonidæ* rather than *Tanagridæ*. But it proved to be an *Iora*; see *P. Z. S.*, 1875, p. 640.
1875. FINSCH, O. Notes on *Phœnicomanes iora*, Sharpe, and *Abnormis atri-capilla*, Blyth. < *P. Z. S.*, Dec. 7, 1875, pp. 640-641.
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 < *Loudon's Mag. Nat. Hist.*, viii, 1835, pp. 364-371.
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 490, fig. 61.
Chaunonotus, p. 487; *Hapalophus*, p. 489, *genn. nn.*
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1870. COUES, E. Om Tornskadernes Vane at spidde Insekter fortæller den amerikanske Ornithologo Elliot[t] Coues følgende: < *Tidssk. for Populære Fremst. af Naturvidensk.*, 4th ser., ii, 1870, p. 480.
Habits of *Lanius ludovicianus*: from *Proc. Bost. Soc. N. H.*, xii, 1868, pp. 112, 113.
1870. DRESSER, H. E., and SHARPE, R. B. Notes on *Lanius excubitor* and its Allies. < *P. Z. S.*, xxxviii, 1870, pp. 590-600.
A synoptical table of nine closely allied species is given, and their geographical distribution shown. *L. meridionalis*, p. 594; *L. minor*, p. 599, spp. nn. (*L. mollis*, Eversm., is accidentally omitted, cf. *Ann. N. H.*, (4), xvii, p. 78.)
1870. STEVENSON, H. Lesser Gray Shrike [*Lanius collurio*] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2139.
1871. BOYES, F. Great Gray Shrikes [*Lanius excubitor*] in East Yorkshire. < *Zoologist*, 2d ser., vi, 1871, pp. 2482, 2483.
1871. HARDING, H. J. Great Gray Shrike [*Lanius excubitor*]. < *Zoologist*, 2d ser., vi, 1871, p. 2439.
The manner in which it strikes its prey.
1871. HOCKER, J. Ueber die verschiedene Färbung der Eier von *Lanius minor*. < *J. f. O.*, xix, 1871, p. 464.
The variation in color, as in other species of the genus, depends on the age of the female.
1871. HOLFORD, C. E. Great Gray Shrike [*Lanius excubitor*] at Ware. < *Zoologist*, 2d ser., vi, 1871, p. 2607.
1871. RICKARDS, M. S. C. Great Gray Shrike [*Lanius excubitor*] near Clifton. < *Zoologist*, 2d ser., vi, 1871, p. 2726.
1871. ROBSON, S. E. Redbacked Shrike breeding near Wastwater. < *Zoologist*, 2d ser., vi, 1871, p. 2505.
1871. SAXBY, H. L. Great Gray Shrike [*Lanius excubitor*] in Shetland. < *Zoologist*, 2d ser., vi, 1871, p. 2561.
1872. ANNÉ, A. F. [Der grosse Würger (*Lanius excubitor*).] < *Zool. Gart.*, xiii, 1872, p. 89.
1872. BOYES, F. Great Gray Shrike [*Lanius excubitor*] in East Yorkshire. < *Zoologist*, 2d ser., vii, 1872, p. 3064.
1872. GUNN, T. E. Great Gray Shrike [*Lanius excubitor*] near Yarmouth. < *Zoologist*, 2d ser., vii, 1872, p. 3323.
1872. LOCKWOOD, S. The Great Northern Shrike [*Lanius borealis*] and the English Sparrows. < *Am. Nat.*, vi, 1872, pp. 236, 237.
Lanius borealis feeding on *Passer domesticus*.

1873. CABANIS, J. [Ueber zwei für die europäische Ornis neue Würger, *Lanius major* Pall. und *L. homeyeri* n. sp., und über *L. sphenocercus* n. sp. aus China.] < *J. f. O.*, 1873, pp. 75, 76 (und folg.).
1873. FREYBURG, Baron v. Der rothrückige Würger, *Lanius collurio*. < *Zool. Gart.*, xiv, 1873, p. 474.
1873. HERBERT, W. H. Great Gray Shrike [*Lanius excubitor*] near Newbury. < *Zoologist*, 2d ser., viii, 1873, p. 3489.
1873. PURDIE, H. A. *Collurio ludovicianus* [in Massachusetts]. < *Am. Nat.*, vii, 1873, p. 115.
1873. TRIPPE, T. M. The White-rumped Shrike [*Lanius excubitorides*]. < *Am. Nat.*, vii, 1873, p. 497.
- Note on the close relationship of this supposed species to *C. ludovicianus*.
1873. WHITAKER, J., JR. Great Gray Shrike [*Lanius excubitor*, at Lambly]. < *Zoologist*, 2d ser., viii, 1873, p. 3489.
1874. CABANIS, J. [Ueber *Lanius excubitor* und verwandte Arten und über „Abarten im Allgemeinen“]. < *J. f. O.*, 1874, pp. 233-237.
1874. "R. P. C." Notes on the Butcher bird—*Collyris* [*i. e.*, *Lanius*] *borealis*. < *Forest and Stream*, i, Jan. 29, 1874, p. 391.
1875. MAYNARD, C. J. The Loggerhead Shrike (*Lanius ludovicianus*) in Mass[achusetts]. < *Am. Sportsman*, v, 1874-5, Feb. 13, p. 313.
1875. SCHALOW, H. [Über die geographische Verbreitung des Pallas'schen Würgers (*Lanius major*).] < *Ber. über d. xxi. Vers. d. deut. Orn.-Ges.*, 1875, pp. 13, 14.
1876. COUES, E. Letters on Ornithology. No. 6.—The Shrike, or Butcher Bird [*Lanius borealis*]. < *The Chicago Field*, Dec. 2, 1876, fig.
- Brief biography of the species, with cut of the head.
1876. WILSON, T. J. The Butcher-bird in New York. < *Forest and Stream*, vii, Oct. 12, 1876, p. 148.
- Lanius ludovicianus* asserted to breed in New York State, and *L. borealis* supposed to.
1877. ANON. Butcher-Birds [(*Lanius borealis*), as enemies of the English sparrows]. < *Rod and Gun*, ix, Feb. 10, 1877, p. 291.
1877. "F. L. R." The Butcher Bird Once More [*Lanius ludovicianus*]. < *Forest and Stream*, viii, Mar. 1, 1877, p. 49.
1877. "J. F." The Shrike [in Indiana]. < *Forest and Stream*, vii, Jan. 25, 1877, p. 338.
1877. KEYES, F. H. The Butcher-Bird [(*Lanius borealis*) eating its prey alive]. < *Forest and Stream*, viii, Feb. 15, 1877, p. 17.
1877. SCHALOW, H. [Letter on a species of *Lanius*.] < *Ibis*, 4th ser., i, July, 1879, p. 398.
- Maintaining the distinction of *L. phœniceuroides* Severtz. from *L. isabellinus* H. & E. Cf. *tom. cit.*, p. 164.
1878. COUES, E. History of the Shrike's names. < *Science News*, i, No. 1, Nov. 1, 1878, pp. 15, 16.
- Quoted from his *Birds of the Colorado Valley*, pt. i, 1878, pp. 540-542.
1878. EATON, D. H. Nesting of the White-rumped Shrike (*Collurio excubitoroides*). < *Oölogist*, iv, No. 1, Mar., 1878, p. 2, 3.
- A good account of the subject, from original observations made in New York State.
1878. SCHALOW, H. Das Subgenus *Collurio* Bp. < *J. f. O.*, Apr., 1878, pp. 133-156.
1879. BAGG, E., JR. The Loggerhead Shrike [*Lanius ludovicianus*] in Central New York. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 237.
1879. BREWER, T. M. The Loggerhead Shrike (*Collurio ludovicianus*) breeding in Northern New England. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 119.

1879. BREWER, T. M. The Great Northern Shrike [*Lanius borealis*] in New England. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 120, 121.
Controversial, arising from his mistaken reading of a passage in the "Birds of the Colorado Valley," the author of which appends a note pointing out the blunder.
1879. [GRINNELL, G. B.] Habits of the Butcher Bird [*Lanius borealis*]. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
Notice of D. M. Marshall's contribution to the *Journal of Science*.
1879. DEANE, R. Capture of the Loggerhead Shrike [*Lanius ludovicianus*] in New Hampshire. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 119, 120.
1879. LANGDON, F. W. The White-rumped and Loggerhead Shrikes [*Lanius ludovicianus*, et var. *excubitorides*] in Ohio. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 120.
1879. MARSHALL, D. M. Notes on the Habits of the Great Northern Shrike [*Lanius borealis*]. < *The Journal of Science* (newspaper of Toledo, Ohio), n. s., ii, No. 6, Aug., 1879, cut.
Popular account of habits, with a cut.
1879. MARSHALL, D. M. [Notes on the Habits of the Great Northern Shrike (*Lanius borealis*).] < *The Oölogist*, v, No. 2, Aug., 1879, p. 16.
Quoted with editorial comment from *The Journal of Science* (Toledo, Ohio), Aug., 1879.
1879. PURDIE, H. A. The Loggerhead Shrike [*Lanius ludovicianus*] breeding in Maine. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 186, 187.
1879. PURDIE, H. A. Nesting of the Great Northern and Loggerhead Shrikes in Maine. < *Forest and Stream*, xii, Apr. 3, 1879, p. 166.
Interesting note on the breeding of *Lanius ludovicianus* in Maine.
1879. PURDIE, H. A. The Loggerhead Shrike [*Lanius ludovicianus*] in Maine. < *Forest and Stream*, xii, May 8, 1879, p. 265.
Correcting statement in *Forest and Stream*, above cited, that *Lanius borealis* breeds in Maine, and showing that probably *L. ludovicianus*, only, occurs there in summer.

Corvidæ.

1805. BARTRAM, W. Anecdotes of the American Crow. < *Philadelphia Med. and Phys. Journ.*, i, 1805, pp. 89-95; *Nicholson's Journ.*, xii, 1805, pp. 194-198.
Not seen; title from *Roy. Soc. Cat.*
1818. ORD, G. An Account of the Florida Jay, of Bartram [*Garrulus cærulescens*]. < *Journ. Acad. Nat. Sci. Phila.*, i, 1818, pp. 345-347.
1829. HILL, W. H. The Young of the Raven [*Corvus corax*]. < *London's Mag. Nat. Hist.*, ii, 1829, p. 403.
1833. D[ENSON?], J. A Magpie the Tips of whose Mandibles crossed each other in the manner the Sides of the Letter x do. < *London's Mag. Nat. Hist.*, vi, 1833, pp. 517, 518.
1835. G[EOFFROY] S[T. HILAIRE, ISID.]. Pie. Pica. Cuv. P. a moustaches blanches. P. mystacalis. G. S. < *Guér. Mag. de Zool.*, 5^e année, 1835, classe ii, notice xxxiv, pl. xxxiv.
Bolivia (*Cyanocorax*).
1836. GODMAN, J. D. American | Natural History. | By | John D. Godman, M. D. | To which is added | his last work, | the Rambles of a Naturalist, | with | a biographical sketch of the author. | In two volumes. | Vol. I [II]. | — | Third edition. | — | Philadelphia: | published by Hogan & Thompson. | — | 1836. 2 vols. 8vo. Vol. I, engr. title-p., pp. i-xxvi (biographical sketch), 11. (dedication), pp. v-xiv (preface and introduction), pp. 15-345. Vol. II, engr. title-p., pp. 1-337. Plates in both vols.
Dr. Godman was born at Annapolis, Md., Dec. 20, 1794, and died Apr. 17, 1830. His principal work, "American Natural History," is devoted to Mammals, as is well known. The original edition, in 3 vols. 8vo., was published, vols. i, ii, 1826, Philadelphia, H. C. Carey and I. Lea, and vol. iii, 1828, Philadelphia, Carey, Lea, and Carey. This was reissued in 1831, Philadelphia, Stoddard and Atherton, without alteration, doubtless from the original plates. In 1836 appeared the third edition, as here cited, in two vols.: substantially the same as the original, as to main text, but with biographical sketch prefixed to vol. i, and the "Rambles" affixed to vol. ii. This third edition was reissued in 1860, Philadelphia, Uriah Hunt and Son, apparently without alteration, though with new title-page. I have handled all four of these issues.
The "Rambles" are an incomplete series of sketches, composed by the author on his death-bed, and appeared first in a weekly journal published in Philadelphia; but I have never been able to see the original articles. They were first added to this 1836 edition of the "Natural History," and reappear in the 1860 reissue. Nos. x-xii of the "Rambles," pp. 325-337 of both the 1836 and the 1860 editions, are devoted to the natural history of *Corvus americanus*; and these sketches are, upon the whole, the best account we possess of the habits and traits of the bird.
1836. WATERTON, C. Notes on the Habits of the Magpie [*Corvus pica*]. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 225-229.
1842. LAFRESNAYE, [F.] DE. G. Pie. Pica. Cuvier. P. de San-Blas. P. San-Blasiana. De Lafresn. (Geai de San-Blas, Nébonx, Rev. zool., 1840, pp. 290 et 323.) < *Guér. Mag. de Zool.*, 2^e sér., année 1842, oiseaux, pp. 1, 2, pl. 28.
1843. CABOT, S., JR. [*Corvus vociferus*, sp. n., from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, p. 155.
1843. H[EWITT], W. Note on the Habits of the Raven [*Corvus corax*]. < *Zoologist*, i, 1843, pp. 215-219.
1843. H[EWITT], W. Additional Note on the Raven [*Corvus corax*]. < *Zoologist*, i, 1843, pp. 305, 306.
1843. HEWITT, W. Note on Magpies, Jays and Crows [*Corvidæ*]. < *Zoologist*, i, 1843, pp. 350, 351.
Bull. v, 4—6.

1845. ANON. Ferocity of a Magpie [*Corvus pica*]. < *Zoologist*, iii, 1845, p. 1072.
From *Lancaster Gazette*, June 21, 1845.
1845. CABOT, S., JR. [Remarks on exhibition of a specimen of *Pica melanoleuca* from Michigan.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, pp. 73, 74.
Critical comparison with the European bird.
1845. STRICKLAND, H. E. On *Cyanocitta*, a proposed new genus of Garrulinae, and on *C. superciliosa*, a new species of Blue Jay, hitherto confounded with *C. ultramarina*, Bonap. < *Ann. Mag. Nat. Hist.*, xv, 1845, pp. 260, 261.
The type of the new genus *Cyanocitta* is expressly stated to be *Garrulus cristatus* (Linn.); wrongly given by most American writers as *G. superciliosa* = *G. californicus*.—*G. cristatus* is wrongly given by G. R. Gray and others as the type of Swainson's genus *Cyanurus*, 1831, upon the assumption that the first species mentioned by an author under a genus must be considered his type of that genus. But Swainson himself says that *cristatus*, etc., are aberrant members of his genus *Cyanurus*. Therefore, *Cyanurus* Sw., 1831, is a synonym of *Cyanocorax* Boie, 1826, leaving *Cyanocitta* Strickl., 1845, to stand for the crested blue jays of America typified by *C. cristatus*, *stelleri*, etc.—See *P. Z. S.*, 1876, p. 268, note.
1845. STRICKLAND, H. E. Further Notice respecting *Cyanocitta superciliosa*, a supposed new Species of Blue Jay. < *Ann. Mag. Nat. Hist.*, xv, 1845, pp. 342, 343.
Identified with *Garrulus californicus* Vig.
1846. AGASSIZ, L. [*Corvus lugubris*, sp. n.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1846, p. 188.
1846. HUGHES, E. J. R. Habit of the Raven [*Corvus corax*]. < *Zoologist*, iv, 1846, p. 1366.
1847. AGASSIZ, L. On the Moose and Carabou and on the American Raven [*Corvus lugubris*]. < *Am. Journ. Sci.*, iii, 1847, p. 436.
From *Proc. Bost. Soc. Nat. Hist.*, 1846, p. 187.
1847. AGASSIZ, L. On the Moose and Carabou, and on the American Raven [*Corvus lugubris*]. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 142.
From *Am. Journ. Sci.*, 1847, p. 436.
1848. CASSIN, J. Descriptions of two new Species of the Genus *Cyanocorax* [*C. harrissii*, *C. concolor*], Boie, of which specimens are in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iv, 1848, pp. 26, 27.
1848. PRATER, T. Anecdote of a Magpie (*Corvus pica*). < *Zoologist*, vi, 1848, p. 2146.
1849. CABOT, S., JR. [On the specific distinctness of *Corvus americanus* and *Corvus corone*.] < *Proc. Bost. Soc. Nat. Hist.*, iii, 1849, pp. 104, 105.
1849. ELLMAN, J. B. A Gamekeeper's Stratagem. < *Zoologist*, vii, 1849, p. 2494.
Singular method of attracting magpies,—by cries of a tortured hedgehog.
1849. STRICKLAND, H. E. *Cyanocorax nanus*, Dubus. ? < *Jard. Contrib. Orn.*, 1849, p. 122, pl. xxxiii.
Provisionally named *C. pumilio*, sp. n.
1850. ANON. A Magpie's delicate attention to its Mistress. < *Zoologist*, viii, 1850, p. 2953.
From *Literary Gazette*, Oct. 12, 1850.
1850. BONAPARTE, C. L. On the Garruline Birds, or Jays: with Descriptions of new species. < *P. Z. S.*, xviii, 1850, pp. 79–86, pl. (Aves) xvii.
This paper requires close attention to catch its drift. The author's "Napoleonic" tendency to transfer, substitute, and otherwise interfere with the genera of other authors, to suit his own notions, is here seen at about its worst: and this abuse of generic nomenclature in *Garrulinae* has provoked endless confusion.
Gray's *Lophocitta*, 1840, vice *Platylophus* Sw., is applied (p. 79) to *Garrulus histrionicus* Müll. and *Corvus galericulatus* Cuv.
Garrulus lidthi, p. 80, pl. 17, is a new species; other species of *Garrulus* treated are *G. lanceolatus* Vig., *glandarius* V., *japonicus* Schl., *krynickii* Kalen., *melanocephalus* Bonelli, *brandti* Eversm., and *bispecularis* Vig.
Cyanogarrulus Bp., p. 83, is "dismembered" from *Cyanocorax* Boie, 1826, for *C. cristatus*, etc., becoming thus exactly synonymous with *Cyanocitta* Strickl., 1845.

1850. BONAPARTE, C. L.—Continued.

Cyanocorax Boie is "restricted" to such species as *C. azureus* and *violaceus*.

Xanthura Bp., p. 83, is proposed for *Corvus peruvianus*.

Cissilopha Bp., p. 83, is applied to *C. sanblasiana*.

Cyanurus Sw., 1831, is "transferred" to such species as *Pica bullockii* Wagl., and *P. colliei* Vig.—*Cyanurus dairi*, *Cyanurus cubo*, p. 84, are new species.

Calocitta is applied to "red-billed, long-tailed, blue magpies."

Cyanocephalus wiedi Bp., "1842", occurs on p. 85; but only the generic name *Cyanocephalus* appeared in 1842. *Gymnokitta* (g. n., "Max.") occurs in the same paragraph.

Cyanopica Bp., p. 85, with species *C. melanocephala* (Wagl.) *cyaneus* (Pall.) and *cooki* Bp., 1849.

Streptocitta Bp. and *Gazdla* Bp. are respectively proposed to be applied to *Pica albicollis* V., and *Corvus caledonicus*.

1850. C. Fragments from my note-book.—A bird breathing through its wing.
Family Visitor, i, 1850, p. 32.

A blue jay with its wing broken, was brought to me to stuff.Wishing to kill it without injuring its skin or disarranging its feathers, I attempted to strangle it by compressing its neck firmly so that the windpipe was entirely closed, and in this manner I held it several minutes without its presenting any appearance of suffocation or inconvenience, and its thorax contracted and expanded regularly. Putting it down on the floor it hopped off into a corner, screaming and scolding as usual. I was sadly puzzled to account for this, till at length I thought of its wing; and on examining it I found the long bone (humerus) broken, and through this it breathed. After I stopped up this orifice and compressed the windpipe again, it was suffocated in a few moments.Cleveland, Ohio, Jan. 19, 1850.

1850. CURTLER, M. Ferocity of the Magpie (*Pica caudata*). < *Zoologist*, viii, 1850, pp. 2799, 2800.1850. MCINTOSH, J. Longevity of a Magpie (*Pica caudata*). < *Zoologist*, viii, 1850, p. 2824.1851. BEADLES, H. Anecdotes of a Raven [*Corvus corax*]. < *Zoologist*, ix, 1851, pp. 3033, 3034.1851. BONAPARTE, C. L. On the Garruline Birds, or Jays; with Descriptions of new species. < *Ann. Mag. Nat. Hist.*, 2d ser., vii, 1851, pp. 412–419.

From *P. Z. S.*, Apr. 12, 1850, pp. 79–86, q. v.

1853. BERNSTEIN, H. A. De | Anatomia Corvorvm. | Pars prima. | Osteologia. | — |
Dissertatio | Inavgyralis zootomica | quam | consensu et auctoritate | gratiosi
Medicorvm ordinis Vratislaviensis | pro | symmis in Medicina et Chirurgia
honoribvs | rite | capessendis | die XVI. M. Novembris A. MDCCCLIII |
Hora IX | palam defendet | auctor | Henrievs Agathon Bernstein. | — | . . .
| — | Vratislaviae, | typis Grassii Barthii et Soc. (W. Friedrich). 1 vol. 8vo.
pp. i–vi, 1–64 + 1 l.1854. JAMES, G. P. R. The Raven [*Corvus corax*]. < *Harper's Monthly Mag.*, viii, 1854, pp. 463–470.

Anecdotes of its behavior in England.

1855. BERGE, F. [Ueber die Eier von *Corvus corax*.] < *Naumannia*, 1855, p. 110.1855. FUHLROTT, [C.] [Varietät der gemeinen Elster. *Corvus pica*, L.] < *Naumannia*, 1855, pp. 398–400.1855. KAUP, J. [J.] Einige Worte über die systematische Stellung der Familie der Raben, Corvidæ. (Anh. iii. zu Bericht über d. viii. Jahresvers. d. dent. Orn.-Gesell.) < *J. f. O.*, 1854, Extrahft (1855), pp. xlvii–lvi, pl. ii. f. 10.

The family is divided into 5 subfamilies, each of 5 lesser groups (some not yet discovered). The diagrammatic illustration of the author's views is a pentagon (family), pointed with 5 lesser pentagons (subfamilies), rayed into stars by the 25 (actual or theoretical) minor groups. The quinary notion is also indicated in his arrangement of allied families.

1856. MAXIMILIAN. Ueber die nordamerikanische Elster, (*Pica hudsonica* Bonap.) < *J. f. O.*, iv, 1856, pp. 197–204.

Elaborate description, with reference to its supposed distinction from *P. melanoleuca*; but some of the alleged differences have been disproved, and none of them have been established.

1857. SMITH, R. B. Raven Paring [sic] with Crow. < *Zoologist*, xv, 1857, pp. 5680, 5681.
1858. BREHM, [C.] L. Die langgeschwänzte Elster, *Pica caudata* Ray. < *J. f. O.*, vi, 1858, pp. 173-176.
 "Zerfällt nach meiner Ueberzeugung in folgende Arten:" *P. leuconotus* Brm., *P. vulgaris* auct., *P. melanotos* nob., *P. mauritanica* Ep.
1859. SCHLEGEL, H. Notice sur le Genre *Corvus*. < *Bijdragen tot de Dierkunde*, II. Deel, Achtste Aflevering, 1859, pp. 1-16, avec trois planches, dont l'une quadruple, 1. 1b, 2, 3.
 This "notice" is in fact a monograph of the genus; on the whole, the most reliable and satisfactory one we have. The author's well-known extreme conservatism perhaps never appeared to better advantage than in this case, of a genus of which the rather numerous species are colored so uniformly, and at the same time present so much variation in size and shape. Numberless nominal species are here laid, and the residuum may be considered a safe basis for further study of the genus; for it is extremely unlikely that there are fewer good species than this author allows. Two, *C. advena* and *C. senex*, are figured in colors; while of most of the rest, the heads are shown of life size on the black "quadruple plate" (really two double plates, 1 and 1b). Here is the list of them all, with the references both to the pages and to the plates, as the publication is not in every library:—
C. crassirostris, *cafer*, p. 1; *scapularis*, *pectoralis*, p. 2; *advena* (sp. n., pl. ii), *cornix*, p. 3; *splendens*, *corax* (pl. i, f. 1, 2), p. 4; *japonensis* (pl. i, f. 3, 4), *culminatus* (pl. i, f. 7), p. 7; *corone* (pl. i, f. 11, 12), *coronoides* (pl. i, f. 13), *unbrinus* (pl. i, f. 14), p. 8; *macrorhynchus* (pl. i, f. 5, 6), *orru* (pl. i, f. 9, 10), *brevipennis* (sp. n., pl. i, f. 8), p. 9; *senex* (pl. iii), *americanus*, p. 10; *solitarius* (pl. i, f. 17), *mexicanus* (pl. i, f. 25), *frugilegus* (pl. i, f. 18), p. 11; *capensis* (pl. i, f. 19), *minor* (pl. i, f. 20), *validissimus* (sp. n., pl. i, f. 21), p. 12; *validus* (pl. i, f. 22), *enca* (pl. i, f. 23), p. 13; *violaceus* (pl. i, f. 24), *ossifragus* (pl. i, f. 27), *leucognaphalus* (pl. i, f. 28), p. 14; *affinis* (pl. i, f. 26), *monedula*, p. 15; *dauricus*, *neglectus* (sp. n.), p. 16. Cf. *Ibis*, 1860, pp. 189-191.
1860. ANON. The Magpie Nesting in Confinement. < *Zoologist*, xviii, 1860, pp. 6920, 6921.
1860. GODMAN, J. D. American | Natural History | By John D. Godman, M. D. | To which is added | his last work. | The Rambles of a Naturalist, | with a biographical sketch of the author. | In two volumes. Vol. II. | — | Third edition. | — | Philadelphia: | Uriah Hunt & Son, | 62 North Fourth street. | 1860. 8vo. pp. 337.
 This is merely a reissue of the 2 vol. 3d ed. of 1836, *which see*. The articles on *Corvus americanus* occupy the same pages, 325-337, of vol. ii.
1860. HEINE, F. Ueber die Gattung *Cyanocorax* Boie. < *J. f. O.*, viii, 1860, pp. 113-118.
 Systematic synopsis, with diagnoses, synonyms, etc., of 8 spp.—*C. sclateri*, *C. uroleucus*, p. 115; *C. intermedius*, p. 116, spp. na. *Argurocetta*, g. n., p. 117, type *Corvus cyanoleucus* Wied.
1862. BARCLAY, W. L. Three Ravens [*Corvus corax*] feeding on a dead Hare at Hingham. < *Zoologist*, xx, 1862, p. 7932.
1862. BREE, W. T. Gathering of Magpies. < *Zoologist*, xx, 1862, p. 7846.
1862. BREE, C. R. Notes about Magpies. < *Zoologist*, xx, 1862, pp. 8162-8164.
1862. GIBSON, B. Large Flocks of Magpies. < *Zoologist*, xx, 1862, p. 7881.
1862. HADFIELD, H. *Corvus americanus*: *Corvus corone* of Wilson. < *Zoologist*, xx, 1862, p. 8282.
 Differences from *C. corone* of Europe.
1862. HADFIELD, H. Gatherings of Magpies. < *Zoologist*, xx, 1862, pp. 7931, 7932.
1862. THOMPSON, T. Gathering of Magpies. < *Zoologist*, xx, 1862, p. 7846.
1863. BREE, C. R. Magpies Breeding in Confinement. < *Zoologist*, xxi, 1863, p. 8632.
1864. COX, C. J. Defence of the Magpie and Rook. < *Zoologist*, xxii, 1864, pp. 8952-8954.
1864. MORTIMER, T. Domesticated Magpies. < *Zoologist*, xxii, 1864, p. 8885.
1864. WALTER, H. Eine Rabenkrähe mit Kreuzschnabelbildung. < *Zool. Gart.*, v, 1864, pp. 283-286, figg.

1865. ANON. Grosse Antipathie des Raben [*Corvus corax*] gegen den Habicht. < *Aus. der Natur.*, xxxi oder xix, 1865, p. 1860.
1865. DUTTON, J. Destructive Propensities of the Raven [*Corvus corax*]. < *Zoologist*, xxiii, pp. 9562, 9563.
1865. GOBYNARI, —. Ein alter Rabe [*Corvus corax*]. < *Zool. Gart.*, vi, 1865, p. 278.
1865. REY, E. [Zucht der Elstervögel (*Pica melanoleuca*).] < *Zool. Gart.*, vi, 1865, pp. 187-189.
1866. DUTTON, J. Raven [*Corvus corax*] Nesting in a Cucumber-frame. < *Zoologist*, 2d ser., i, 1866, p. 32.
1866. MATHEW, M. A. An ancient Raven [*Corvus corax*]. < *Zoologist*, 2d ser., i, 1866, p. 270.
1866. NÖLL, J. F. Ein getäuschter Rabe. < *Zool. Gart.*, vii, 1866, p. 39.
1866. WILLEMOES-SUHM, R. V. Brütende Elsteralbinos [*Pica caudata*]. < *Zool. Gart.*, vi, 1866, pp. 76, 77.
1867. BECKWITH, R. G. Magpie with Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, pp. 826, 827.
Supposes the bird's bill colored with yolk of egg.
1867. HARVIE-BROWN, J. A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, pp. 877, 878.
Fears no satisfactory conclusion can be reached.
1867. HARVIE-BROWN, J. A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, pp. 706, 707.
A living bird of this kind observed in Scotland. Very interesting, in its bearing on *Pica nuttalli*.
1867. MATHEW, G. F. Magpie with Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, p. 1016.
Another case,—a similar bird observed in Devonshire.
1867. NEWTON, A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, p. 757.
Makes the obvious comparison with *Pica nuttalli*. The editor, E. Newman, supposes the bird to be *Pica nuttalli*.
1867. NEWTON, A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, p. 913.
Pertinent observation: "Causes which in America have produced a permanent race of magpies having yellow bills may in Europe have produced a single example having the same peculiarity."
1867. SCHLEGEL, H. Coraces. < *Mus. Hist. Nat. Pays-Bas*, 9^e livr., 1867, pp. 1-150.
"La famille des Coraces comprend les sous-familles des Corvi, Paradiseæ et Coraciæ." (!)
"The author in this portion of his Catalogue groups together a most heterogeneous assemblage of birds. *Corvidæ*, *Paradiseidæ*, *Oriolidæ*, *Sturnidæ*, but worst of all, *Coraciidæ*, so that it is almost impossible to give here a clear account of them. The *Corvidæ*, in which we include the author's genera *Corvus*, *Nucifraga*, *Pica*, *Cyanocorax*, *Picathartes*, *Pyrhcorax*, *Garrulus*, *Cissa*, *Glaucoptis*, *Chalybæus*, *Cracticus*, and *Lycorax*, appear to be represented in the Leyden Museum by 685 mounted specimens belonging to 116 species . . ." (*Zool. Rec.*, 1867, p. 112.) Cf. *Ibis*, 1867, p. 111.
1868. DUTTON, J. Rook with a crossed Beak. < *Zoologist*, 2d ser., iii, 1868, p. 1459.
1868. ENDICOTT, W. E. Remarkable flight of Crows [*Corvus americanus*]. < *Am. Nat.*, ii, 1868, p. 381.
Nearly 100,000, estimated, passing over a point in Maryland, U. S., between 4 and 6 p. m., in April.
1868. HOMIE, W. [Extract from a letter containing observations on the habits of *Cyanurus cristatus*.] < *Proc. Boston Soc. Nat. Hist.*, xi, 1868, p. 284.
1868. NAUMAN, C. H. Is the Crow [*Corvus americanus*] a Bird of Prey? < *Am. Nat.*, ii, 1868, p. 491.
Cf. *tom. cit.*, 664. Note of a crow seizing and carrying off a chicken, *more accipitrino*.
1869. ANON. La Corneille [*Corvus americanus*] est-elle un oiseau de proie? < *Naturaliste Canadien*, i, 1869, p. 194.
Affirmé.

1869. BARTHOLF, J. H. Is the Crow [*Corvus americanus*] a Bird of Prey? < *Am. Nat.*, ii, 1869, p. 664.
Other (cf. *tom. cit.*, 491) instances of the crow seizing and carrying off chickens, like a hawk.
1869. BREWER, T. M. [Remarks on exhibition of four unspotted eggs of *Corvus americanus*.] < *Proc. Boston Soc. Nat. Hist.*, xiii, 1869, pp. 138, 139.
1869. RATHVON, S. S. The Crow [*Corvus americanus*] a Bird of Prey. < *Am. Nat.*, iii, 1869, pp. 102, 103.
The raptorial propensities of *Corvus americanus* confirmed.
1870. BREWER, T. M. The Blue Jay Family. < *Atlantic Monthly*, Apr., 1870, pp. 480-485.
1870. HAMEL, E. D. Cream-coloured Magpie. < *Zoologist*, 2d ser., v, 1870, p. 2344.
1871. COVES, E. The Long-crested Jay [*Cyanurus macrolophus*]. < *Am. Nat.*, v, 1871, pp. 770-775, fig. 134.
Extended biography of *Cyanurus macrolophus*.
1871. HORNE, C. [Destruction of young lambs by] Magpies. < *Zoologist*, 2d ser., vi, 1871, pp. 2483, 2484.
1871. LÜNDER, W. Ueber die Raben Neu-Vorpommerns und Rügens. < *Mitth. a. d. naturw. Ver. v. Neu-Vorp. u. Rüg.*, iii, 1871, pp. 40-52.
9 spp.
1872. COVES, E. Observations on *Picicorvus columbianus*. < *Ibis*, 3d ser., ii, 1872, pp. 52-59.
Extended biographical sketch; synonymy, etc.
1872. COVES, E. Contribution to the History of the Blue Crow [*Gymnokitta cyanocephala*] of America. < *Ibis*, ii³, 1872, pp. 152-158.
Synonymy, description, and biography.
1872. FRIEDEL, E. Krähen als Nussdiebe. < *Zool. Gart.*, xiii, 1872, p. 94.
1873. ALLEN, J. A. Crows and Ravens. < *Am. Nat.*, vii, 1873, pp. 743, 744.
On the local distribution of *Corvus corax* and *C. americanus*, with reference to *tom. cit.*, p. 693.
1873. BARRETT, M. On the Migration of Certain Animals as Influenced by Civilization. < *Am. Nat.*, vii, 1873, pp. 693-695.
Chiefly on the local dispersion of *Corvus corax* and *C. americanus*.
1873. BARRETT, M. On the Migration of Certain Animals as influenced by Civilization. < *Am. Sportsman*, iii, 1873, p. 86.
Disappearance of *Corvus corax* from Minnesota, and immigration of *C. americanus*.
1873. GIZYCKI, G. V. Biographie meiner Elster. < *J. f. O.*, 1873, pp. 35-45.
1873. [SALVIN, O.] [Reference to the original notice of the Genus *Cyanocephalus* Bp.] < *Ibis*, 3d ser., iii, 1873, p. 103.
Bonaparte proposed the genus *Cyanocephalus* in 1842, in his *Oss. Stat. Zool. Eur. Vert.* 1840-41, p. 17; and named the species by implication, *C. wiedi*; but the word "*wiedi*" does not actually occur there. I have verified Mr. Salvin's reference.
1874. ANON. [EDITORIAL.] Possibly a new bird from Oregon. < *Forest and Stream*, iii, Sept. 10, 1874, p. 68.
Concluded to be *Picicorvus columbianus*; see *ibid.*, p. 84.
1874. DUBOIS, A. Remarques Morphologiques sur les Espèces du Sous-genre Xanthoura. < *Bull. Acad. Roy. de Belgique*, 2^e sér, xxxviii, 1874, pp. —, fig. (carte).
L'auteur constate que ce sous-genre ne comprend réellement qu'une seule espèce, très-variable suivant la position géographique qu'occupent les individus qui la composent, de la manière suivante: *Cyanocorax yncas*, Bolivie, Pérou, repub. de l'Équateur; *a. cyanodorsalis* (var. n.), Nouvelle-Grenade centrale et méridionale; *β. cyanocapilla*, nord de la Nouv.-Grenade jusqu'à Guatémala; *γ. ceruleocephala* (var. n.), Vénézuëla; *δ. luzuosa*, Mexique, Texas.
1874. KERR, W. J. Ravens [*Corvus corax*] Nesting in North Wales. < *Zoologist*, 2d ser., ix, 1874, p. 4156.
1874. LEE, A. Miss. Jim Crow. < *St. Nicholas Mag.*, i, 1874, pp. 647-649, figs. 1-9.
Amusing account of a pet *Corvus americanus*.

1874. TRIPPE, T. M. The White-necked Raven [*Corvus cryptoleucus*, field note on]. < *Am. Nat.*, viii, 1874, pp. 429, 430.
1875. ANON. A variegated Crow [*Corvus americanus*, albinistic]. < *Forest and Stream*, iii, Feb. 4, 1875, p. 405.
1875. COUES, E. [On the nest and eggs of *Gymnokitta cyanocephala*.] < *Ibis*, 3d ser., v, 1875, pp. 270—.
1875. [PIERCE, G.] A white Crow [*Corvus americanus*]. < *Forest and Stream*, v, Sept. 23, 1875, p. 100.
1875. [PIERCE, G.] Rara Avis [albinistic *Corvus americanus*]. < *Rod and Gun*, vi, Sept. 25, 1875, p. 386.
1876. ANON. Mathematical Faculty of Crows. < *Rod and Gun*, vii, Mar. 4, 1876, p. 363. Anecdote, from "Portland Advertiser."
1876. ANON. A Thievish Crow [*Corvus americanus*]. < *Rod and Gun*, viii, July 22, 1876, p. 269.
From the New Bedford, Mass., "Mercury." *Corvus americanus* preying upon fledglings of Robins.
1876. ANON. [Caterpillars' eggs in stomach of *Corvus americanus*.] < *Rod and Gun*, viii, July 15, 1876, p. 250.
1876. BENDIRE, C. Notes on the Breeding Habits of Clarke's Crow (*Picicorvus columbianus*), with an Account of its Nest and Eggs. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, pp. 44, 45.
1876. [COUES, E.] [Anecdote of the intelligence of a Crow (*Corvus ossifragus*).] < *New York Independent*, Nov. 23, 1876.
A tame bird of this kind, kept in a yard where there was a tub of water containing small fish, snails, etc., for stocking an aquarium, used to alight upon the brim of the tub, and drop bread-crumbs into the water to attract the fish; which it seized as they rose to the surface, and devoured.
1876. FRAZAR, A. M. Intelligence of a Crow [*Corvus americanus*]. < *Bull. Nutt. Ornith. Club*, i, No. 3, Sept., 1876, p. 76.
1876. "J. F." Crows [*Corvus americanus*] despoiling heronries. < *Forest and Stream*, vii, Sept. 14, 1876, p. 84.
1876. MORRIS, R. T. Charges against the Crow [*Corvus americanus*]. < *Forest and Stream*, vi, July 27, 1876, p. 401.
1876. REID, P. Blue Jay [*Cyanurus cristatus*]. < *Rod and Gun*, vii, Feb. 12, 1876, p. 369.
1876. SCHOCK, O. D. Charges against the Crow [*Corvus americanus*]. < *Forest and Stream*, vii, Aug. 17, 1876, p. 20.
1876. SCLATER, P. L., and SALVIN, O. Notes on some of the Blue Crows of America. < *P. Z. S.*, Feb. 15, 1876, pp. 268-272.
Cyanocitta germana, p. 270, Belize, Piten, Merida, sp. n.; *C. armillata*, *γ. quindiana*, p. 272, Cordillera of Quindiu, var. n.
Critical notes on *Cyanocitta argentigula*, *C. sanblasiana*, *C. beecheii*, *C. germana* (p. 270, sp. n.), *C. jolyæ* Bp., *C. armillata*, G. R. Gr., of which last are given as subspecies *meridana*, p. 271, bogotana, p. 272, and *quindiana* (subsp. n.), p. 272.—*Cyanocorax ortonii*, Lawr. = *C. mystacalis*, Geoffr.—Special note on the type of the genus *Cyanocitta*, which is *C. cristatus*.
1876. WEBSTER, N. B. Crows [*Corvus americanus*] seeking Water. < *Field and Forest*, vol. ii, No. 4, Oct., 1876, p. 65.
By pecking into watermelons.
1877. COUES, E. Letters on Ornithology. No. 15.—Curious Crows [*Picicorvus columbianus* and *Gymnokitta cyanocephala*]. < *The Chicago Field*, July 14, 1877, 2 figg.
Popular notices of these species, with figures of their heads.

1877. [INGERSOLL, E.] Crows [*Corvus americanus*]. < *Rod and Gun*, ix, Jan. 27, 1877, p. 266.
From "New York Tribune."
1877. MILLER, H. The Crow [*Corvus americanus*]. < *Rod and Gun*, ix, Feb. 24, 1877, p. 329.
Observations upon habits, capability, and utility.
1877. TENNEY, S. The Raven [*Corvus carnivorus*] and the Sooty Tern [*Sterna fuliginosa*] in Williamstown, Massachusetts. < *Am. Nat.*, xi, No. 4, Apr., 1877, p. 243.
1878. EAGLE, C. H. The Fish Crow (*Corvus ossifragus*, Wils.), on Long Island. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 47.
With editorial note by J. A. Allen.
1878. HENSHAW, H. W. Nest and Eggs of the Blue Crow (*Gymnokitta cyanocephala*). < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 112-115.
Also on the general habits of the bird. Cf. *Ibis*, 1875, p. 270.
1878. [QUAY, T. R.] Crimes of the Crow [*Corvus americanus*]. < *Forest and Stream*, x, May 2, 1878, p. 236.
Opinion that the bird is rather injurious than beneficial to the agriculturist.
1878. [WILLARD, S. L.] The Jay of the North; Canada Jay [*Perisoreus canadensis*]. < *The Oölogist*, iv, No. 2, Apr., 1878, pp. 14, 15.
Compiled account of the habits of the bird.
1878. [WILLARD, S. L.] Utility of the Crow [*Corvus americanus*]. < *The Oölogist*, iv, No. 5, July, 1878, p. 38.
1878. WILY, S. B. Nesting of the Canada Jay [*Perisoreus canadensis*]. < *The Oölogist*, iv, No. 4, June, 1878, p. 27.
1879. BREWER, T. M. The Rocky Mountain Whiskey-Jack (*Perisoreus canadensis capitalis*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 239, 240.
On the nest and eggs of this bird, both of which are fully described.
1879. [CORDES, H.] The Crow [*Corvus americanus*] arraigned. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
1879. [COUES, E.] The Long Crested Jay-Bird [*Cyanurus macrolophus*]. < *Hamilton Freeman* (newspaper of Webster City, Iowa), Apr. 9, 1879.
Editorial reprint, with comment, of the account of that species in "Birds of the Northwest," 1874, pp. 216-218.
1879. FLAGG, W. The Blue Jay [*Cyanurus cristatus*] in the East. < *Forest and Stream*, xiii, Dec. 18, 1879, p. 907.
1879. [GRINNELL, G. B.] Crows [*Corvus americanus*] in Caucus. < *Forest and Stream*, July 24, 1879, p. 485.
Great flight of crows near Harper's Ferry, Va.
1879. [HARRIMAN, M. C.] *Corvus corax* in New Hampshire. < *Forest and Stream*, xii, Mar. 13, 1879, p. 106.
Notice of capture of this species near the town of Warner, N. H.
1879. ZEREGA, L. A. Capture of a Fish Crow (*Corvus ossifragus*) near Seabright, Monmouth County, New Jersey. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 239.

Addenda to Corvidæ.

1815. CLINTON, DE WITT. An Introductory Discourse delivered on the 4th of May, 1814. < *Trans. Lit. and Philos. Soc. New York*, i, 1815, pp. 21-184. > Note T, p. 129.
Note T, to this discourse, is on the American Raven, *Corvus corax*.
1825. BONAPARTE, C. [L.] Descriptions of two new species of Mexican Birds. < *Journ. Acad. Nat. Sci. Phila.*, iv, 1825, pp. 387-390.
At p. 387, *Corvus ultramarinus*; the other is an *Icterus*.

Icteridæ.

1815. CLINTON, DE WITT. An Introductory Discourse delivered on the 4th of May, 1814. < *Trans. Lit. and Philos. Soc. N. Y.*, i, 1815, pp. 21-184. > Note S, pp. 125-128.

Note S, appended to this discourse, treats of the plumages and migrations of the Bobolink, *Dolichonyx oryzivorus*.

1818. ORD, G. Observations on two species of the genus *Gracula* [*G. quiscula*, *G. barrita*] of Latham. < *Journ. Acad. Nat. Sci. Phila.*, i, 1818, pp. 253-260.

A critical article, distinguishing the Boat-tailed Grackle (*Quiscalus major* V.) from the Purple Grackle (*Q. purpureus*).

1819. LICHTENSTEIN, K. M. H. Ueber die Gattung *Gracula* aus der Familie der Krähenvögel (Coracæ). < *Abhandl. der Berlin. Akad.*, aus d. Jahren 1816-17, 1819, Phys. Classe, pp. 143-154. (Vorgelesen den 18. Juli 1816.)

This is the original; there is another edition in *Isis*, 1824, pp. 402-406, q. v.

The "genus" *Gracula* of this author is very extensive, including birds of several of the families recognized by modern ornithologists, among them the *Icteridæ*.

The species of *Gracula* treated are the following:—*Gracula religiosa*, p. 148; *G. calva*, p. 148; *G. tristis*, p. 148; *G. pagodarum*, p. 148; *G. cristatella*, p. 149; *G. carunculata*, p. 149, with several others of doubtful character.—The author then proceeds to treat the other Linnæan "*Graculæ*", i. e., *Icteridæ*, as follows:—*Quiscalus purpurea*, "n. sp.", p. 151 (but Bartram had called it *Gracula purpurea* in 1791!); *Q. fulgida*, n. sp., p. 151; *Q. navicularis*, n. sp., p. 151; *Q. saularis*, p. 151; *Q. jamaicensis*, p. —.

1824. LICHTENSTEIN, K. M. H. Dissertation sur le genre Martin ou Mainate (*Gracula*); par Lichtenstein. . . < *Féruss. Bull.*, 2^e sect., ii, 1824, p. 294.

Extrait des *Abhandl. Königl. Acad. Wiss. Berlin* pour les années 1816 et 1817, pp. 143-154.

1824. LICHTENSTEIN, K. M. H. [Abhandlung über *Gracula*. Auszug aus *Abh. Königl. Akad. Wiss. Berlin* aus d. Jahren 1816-17, 1819, SS. 143-154.] < *Oken's Isis*, Jahrg. viii, 1824, pp. 402-406.

Die Charaktere der verwandten Sippen, *Corvus*, *Coracias*, *Paradisæa*, *Gracula*. Die reinen *Graculæ* sind folgende sechs: *religiosa*, *calva*, *tristis*, *pagodarum*, *cristatella*, *carunculata*, p. 403. Zweifelhafte bleiben; *G. grisea* Daud., *GG. gingiimiana*, *malabarica*, *icterops* Lath., *G. longirostra* Pall.—*GG. strepera*, *tibicen* und *varia* Shaw bilden besser eine eigene Sippe den Racken nahe.—*G. cayennensis* Gm. und *G. picoides* Shaw hat Hermann als *Dendrocolaptes* aufgestellt. Die andern *Graculæ* von Linné stellt der Verfasser als *Quiscalus* auf: *Q. purpurea* = *G. quiscula* Lath.; *Q. fulgida* Licht. = *Sturnus quiscula* Daud.; *Q. navicularis*; *Q. saularis*; *Q. jamaicensis* = *Sturnus jamaicensis* Daud.

1825. BONAPARTE, C. [L.] Descriptions of two new species of Mexican Birds. < *Journ. Acad. Nat. Sci. Phila.*, iv, 1825, pp. 327-330.

At p. 329, *Icterus melanicterus*; the other is a *Corvus*.

1825. VIGORS, N. A. On the genus *Icterus* Briss. < *Zool. Journ.*, ii, 1825, pp. 182-197, pll. suppl. 9, 10.

This, the second instalment of the series of articles entitled "Sketches on Ornithology; or," &c., treats of the family *Icteridæ* as now understood. Here occur the descriptions of *Xanthornus chrysopterus*, sp. n., p. 190, pl. 9, and of *Leistes* (g. n., p. 191) *suchii*, sp. n., p. 192, pl. 10. (*Féruss. Bull.*, viii, 1826, pp. 111-113; *Isis*, 1830, 1013-1018.)

1826. BONAPARTE, C. [L.] On the distinction of two species of *Icterus*, hitherto confounded under the specific name of *Icterocephalus*. < *Journ. Acad. Nat. Sci. Phila.*, v, 1826, pp. 222-225.

Icterus xanthocephalus, n. sp., p. 223.

1826. LESSON, [R. P.] Esquisses ornithologiques, etc., etc. Du genre *Icterus* de Brisson; par N. A. Vigors. . . < *Féruss. Bull.*, 2^e sect., viii, 1826, pp. 111-113. *Zool. Journ.*, ii, No. 6, 1825, pp. 182-197.

1827. LESSON, R. P. Sur les distinctions à établir entre deux espèces d'Icterus, jusqu'à ce jour confondues sous le nom spécifique d'Icterocephalus; par Ch. Bonaparte. . . < *Féruss. Bull.*, 2^e sect., xii, 1827, pp. 266, 267.
Journ. Acad. Phila., vi, 1826, pp. 222-225.
1830. VIGORS, N. A. Ornithologischen Skizzen, Fortsetzung. < *Oken's Isis*, Bd. xxiii, pp. 1013-1018.
 Uebersetzt aus d. *Zool. Journ.*, vol. ii, Nro. vi, 1825, pp. 182-197.
1836. ORD, G. Observations on the Cow Bunting [*Molothrus ater*] of the United States of America. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 57-71.
 On its oviposition, parasitism, &c.
1837. BREWER, T. M. Remarks on the positions assumed by George Ord, Esq., in relation to the cow black-bird, (*Icterus agripennis* [i. e., *Molothrus ater*]) in London's Magazine for February, 1836. < *Journ. Bost. Soc. Nat. Hist.*, i, pt. iv, 1837, pp. 418-435. (Read July 6, 1836.)
 "Icterus agripennis" is a name of the Bobolink (*Dolichonyx oryzivorus*), not of the species treated in this paper.
1839. LINSLEY, J. H. Notice of *Vespertilio pruinosus* and *Icterus* [*Agelaius*] *Phoeniceus*. < *Sillim. Am. Journ. Sci.*, xxxvii, 1839, pp. 195, 196.
 On the carnivorous habits of the Blackbird.
1843. CABOT, S., JR. [*Oriolus musicus*, sp. n., from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, p. 155.
 This is an *Icterus*, supposed to be the same as that figured by Cassin in *Journ. Phila. Acad.*, ii, 1848, pl. 17 (*giraudii*).
1843. GURNEY, J. H. Note on the occurrence of the red-winged Icterus [*Agelaius phoeniceus*] near Norwich. < *Zoologist*, i, 1843, p. 317.
1844. LAFRESNAYE, [F.] DE. < G. Icterus. Briss. *I. gutturalis*. Lafresn. < *Guér. Mag. de Zool.*, 2^e sér., année 1844, Oiseaux, pp. 1-4, pl. 52.
Icterus mentalis Lafr., *R. Z.*, 1842, p. 136.
1847. CASSIN, J. Descriptions of three new species of the genus *Icterus* (Briss.); specimens of which are in the Museum of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, pp. 332-334.
I. maculi-alatus, *I. auricapillus*, p. 332; *I. giraudii*, p. 333.
1847. TARRAGON, [L.] DE. Description d'une nouvelle espèce de Cassique [*Cassicus pyrohypogaster*], et note sur le Macronix Amelie. < *Revue Zoologique*, x, 1847, pp. 252, 253.
1848. CASSIN, J. Description of three new species of the genus *Icterus*, (Briss.); specimens of which are in the Museum of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Phila.*, ii, pt. ii, Aug., 1848, art. xi, pp. 137, 138, pl. xvi, xvii.
I. maculi-alatus, p. 137, pl. xvi, f. 1; *I. auricapillus*, p. 137, pl. xvi, f. 2; *I. giraudii*, p. 138, pl. xvii. Described the year previous in *Proc. Phila. Acad.*, iii, pp. 332-334.
1850. STRICKLAND, H. E. *Xanthornus prothemelas*, Strickland [sp. n.]. < *Jard. Contrib. Ornith.*, 1850, p. 120, pl. lxii.
1852. LAWRENCE, G. N. Descriptions of new species of Birds of the genera . . . and *Xanthornus* [affinis], . . . < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 112-117, pl. v. (Read Apr. 28, 1851.)
 Here occurs, in a paper of wider scope, full title of which is in the N. Am. part of this Bibl., the orig. descr. of the above sp., p. 113.
1852. [READ, M. C.] Cow Blackbird [*Molothrus ater*]. < *The Family Visitor*, vol. iii, 1852, p. 68.
 A popular article, giving numerous species in the nests of which eggs of the Cowbird have been found.
1853. ANON. "Could 'nt! Cos he Sung so?" < *Zoologist*, xi, 1853, p. 3982.
 From *Clinton (U. S.) Courant*. Note of a young person's inability to throw a stone at *Dolichonyx oryzivorus*, for the reason stated in the title.

1854. GLOGER, C. W. L. Das geschlechtliche Verhältniss bei den nicht selbst brütenden Vögeln. < *J. f. O.*, ii, 1854, pp. 137-143.

The general relations of parasitic birds illustrated in the case of *Molothrus ater*.

1856. [BILLINGS, E.] On the Bob-link or Rice-Bird, (*Dolichonyx orzivora* [sic].) < *Canad. Nat. and Geol.*, i, June, 1856, pp. 233-237.
1861. SCLATER, P. L. [Exhibition of a Specimen of the American Meadow-Starling (*Sturnella magna*) shot in Suffolk, England.] < *P. Z. S.*, xxix, 1861, p. 30.
1861. SCLATER, P. L. Notice of the occurrence of the American Meadow-Starling (*Sturnella ludoviciana* [magna]) in England. < *Ibis*, iii, 1861, pp. 176-180.
- Concludes with observations on the genus and a synopsis of 5 spp., namely: *ludoviciana*, *neglecta*, *hippocrepis* (Cuba), *mexicana* (Mexico), p. 179, and *meridionalis* (South America), p. 179—the two last being new.
1864. JEFFERY, W., JR. The Redwinged Starling [*Agelæus phæniceus*] in Sussex. < *Zoologist*, xxii, 1864, p. 8951.
1865. JESSE, W. Redwinged Starling [*Agelæus phæniceus*] near Liphook. < *Zoologist*, xxiii, 1865, p. 9782.
1865. SHIMER, H. [On a supposed new Species of *Icterus* from Illinois (= *I. spurinus*).] < *Trans. Acad. Sci. St. Louis*, ii, pt. ii, 1865, pp. 260, 261.
1866. CASSIN, J. A Study of the Icteridæ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 10-25. (Continued *ibid.*, pp. 403-417, and *op. cit.*, 1867, pp. 45-74.)
- Agelaiæ*: 7 genn., 46 spp.—*Macroagelaius*, p. 13; *Agelaioides*, p. 15; *Erythropsar*, p. 17; *Callothrus*, p. 18; *Cyanothrus*, p. 19, subgg. nn. *Dolichonyx fuscipennis*, p. 16; *Molothrus canisii*, p. 22; *M. rufo-azillaris*, p. 23, spp. nn.
1866. CASSIN, J. A Second Study of the Icteridæ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 403-417. (Continued from *ibid.*, pp. 10-25; continued, *op. cit.*, 1867, pp. 45-74.)
- Quiscalinæ*: 5 genn., 28 spp.—*Holquiscalus*, p. 404; *Megaquiscalus*, p. 409; *Euphagus*, *Dives*, p. 413; *Idiopsar*, p. 414, gg. nn. *Quiscalus gundlachii*, *Q. brachypterus*, p. 406; *Q. mexicanus*, p. 408; *Q. rectirostris*, p. 409; *Idiopsar brachyurus*, p. 414, spp. nn.
1866. EDWARD, T. Redwinged Starling (*Sturnus predatorius* [*Agelæus phæniceus*]) in Scotland. < *Zoologist*, 2d ser., i, 1866, p. 310.
1866. MONK, T. J. Redwinged Starling [*Agelæus phæniceus*] at Brighton. < *Zoologist*, 2d ser., i, 1866, p. 229.
1867. CASSIN, J. A Third Study of the Icteridæ. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 45-74. (Continued from *ibid.*, pp. 403-407, and *op. cit.*, 1866, pp. 10-25.)
- Icterinæ*, more monographically treated than the other groups were in previous "Studies." *Euopsar*, p. 47; *Andriopsar*, p. 49; *Ateleopsar*, p. 53; *Cassiculoides*, p. 54; *Poliopsar*, p. 55; *Melanopsar*, p. 56; *Icterioides*, p. 60; *Melanophantes*, *Aporophantes*, p. 63, genn. nn. *Icterus graysonii*, p. 48; *Icterus sclateri*, p. 49; *Icterus salvinii*, p. 41; *I. grace-annæ*, p. 52; *Cassicus melanurus*, p. 66, spp. nn. Cf. *Ibis*, 1868, p. 115.
- Mr. Cassin's "Studies" were protracted and faithful, representing our leading monograph of this family, notwithstanding that the author pushed his generic subdivision so far, and described in some cases very slight geographical modifications as distinct species. It was one of his last works, as this hand paused Jan. 10, 1869.
1867. JESSE, W. Redwinged Starling [*Agelæus phæniceus*] near Liphook. < *Zoologist*, 2d ser., ii, 1867, p. 913.
1868. BREWSTER, W. A variety of the Blackbird [*Agelæus phæniceus*]. < *Am. Nat.*, ii, 1868, pp. 217, 218.
- Marked with orange on the breast.
1868. "F. W." The Crow Blackbird [*Quiscalus versicolor*] a Robber. < *Am. Nat.*, ii, Aug., 1868, p. 326.
- Note on breeding, and on stealing the material from other birds' nests.
1868. JACKSON, T. H. The Cow-bunting [*Molothrus ater*]. < *Am. Nat.*, ii, 1868, p. 490.
- Its eggs found in nests of *Sayornis fuscus*, *Empidonax acadicus*, *Icteria viridis*, and *Pyrranga rubra*.

1868. McLAUGHLIN, W. J. The Yellow-headed Blackbird (*Xanthocephalus icterocephalus* Baird). < *Am. Nat.*, ii, 1868, pp. 493, 494.
Biographical note from Centralia, Kansas, with editorial note on geographical distribution.
1869. KEDNEY, H. S. The Cow Bunting [*Molothrus ater*]. < *Am. Nat.*, iii, 1869, p. 550.
Plural eggs of *Molothrus ater* in nests of *Zonotrichia leucophrys* and *Contopus virens*.
1869. ["F. W."] The Crow Blackbird [*Quiscalus versicolor*] a Robber. < *Zoologist*, 2d ser., iv, 1869, pp. 1603, 1604.
From 'American Naturalist,' Aug., 1868, p. 326.
1869. RIDGWAY, R. Notices of certain obscurely known species of American Birds. < *Proc. Acad. Nat. Sci. Phila.*, xxi, 1869, pp. 125-135, woodcut.
III. The Smaller Quiscal of the United States, pp. 133-135, figg. 1-3; 3 spp.—*Q. œneus*, sp. n., p. 134, f. 2.
The article also treats of species of I. *Hylocichla* and II. *Pyrranga*. (See under *Turdidæ* and *Tanagridæ*.)
1869. STERNBERG, C. Zur Fortpflanzungsgeschichte des Viehstaares, *Molobrus serieus* (Licht.). < *J. f. O.*, xvii, 1869, pp. 125-136.
Mit Bemerkungen vom Herausgeber.
1869. [STERNBERG, C.] Fortpflanzung des Viehstaares (*Molobrus serieus* [lege *serieus*]). < *Aus der Natur*, xlix, oder n. F., xxxvii, 1869, pp. 595-597.
Nach C. Sternberg's Artikel in *J. f. O.*, 1869, pp. 125-136, mitgetheilt.
1869. TRIPPE, T. M. The Cow Blackbird [*Molothrus ater*]. < *Am. Nat.*, iii, 1869, pp. 291-294.
An extended notice of the habits of this species, with special reference to the birds in the nests of which its eggs have been found.
1870. COUES, E. The Cow Bird [*Molothrus ater*]. < *Am. Nat.*, iv, 1870, p. 58.
Inquires whether the eggs of *Molothrus ater* vary in any way connected with the character of the eggs of different birds selected as foster parents, with reference to A. Newton's observations to this effect in case of *Cuculus canorus*.
1870. COUES, E. The Natural History of *Quiscalus major*. < *Ibis*, 2d ser., vi, 1870, pp. 367-378.
A full account of the habits of the bird as observed by the writer at Fort Macon, North Carolina.
1870. HOWELL, R. Blackbirds [*Icteridæ*] in Winter. < *Am. Nat.*, iv, 1870, p. 52.
Molothrus ater and *Scolecophagus ferrugineus* in Tioga Co., N. Y.
1870. SAUSSURE, H. DE. Los Tordos [*Icteridæ*]. < *La Naturaleza*, i, 1870, pp. 352-358.
Sobre las costumbres. "Con esta nombre [tordo] designaron los Españoles un grupo interesante de aves americanas, por tener algunas de sus especies semejanza en cuanto al color, con los tordos de Europa [*Sturnidæ*?], de los que sin embargo son de géneros enteramente distintos."
1871. BREWER, T. M. [Remarks on exhibition of a nest of *Icterus baltimore*.] < *Proc. Boston Soc. Nat. Hist.*, xiii, 1871, pp. 411, 412.
1871. COUES, E. The Yellow-headed Blackbird [*Xanthocephalus icterocephalus*]. < *Am. Nat.*, v, 1871, pp. 195-200, with a fig.
Extended biography of this species, with allusions to various other birds observed in Kansas.
1871. COUES, E. Bullock's Oriole [*Icterus bullocki*]. < *Am. Nat.*, v, 1871, pp. 678-682, fig. 120.
Extended biography.
1871. COUES, E. Singular albino [of *Dolichonyx oryzivorus*]. < *Am. Nat.*, v, 1871, p. 733.
1871. GILLMAN, H. Albino Swamp Blackbird [*Agelaius phœniceus*]. < *Am. Nat.*, v, 1871, p. 251.
1871. NEWMAN, E. On the Occurrence of the American Meadow Lark (*Alauda* [*Sturnella*] *magna* of Wilson) in Great Britain. < *Zoologist*, 2d ser., vi, 1871, pp. 2557-2560.

1872. BARCENA, M. Apuntes para la ornitología Mexicana.—Costumbres del Quiscalus macrourus. < *La Naturaleza*, ii, 1872, pp. 203-207.
1872. BREWER, T. M. [Note on the North American Forms of Quiscalus.] < *Proc. Boston Soc. Nat. Hist.*, xiv, 1872, p. 205.
1872. HALDEMAN, S. S. Note of Icterus baltimore [written in musical notation]. < *Am. Nat.*, vi, 1872, p. 234.
1872. HOLTZ, L. Ueber Molobrus-Eier, zu Cantagallo in Brasilien von Herrn C. Euler gesammelt. < *J. f. O.*, 1872, pp. 193-201, pl. I, fig. i.
In continuation of the subject from *op. cit.*, 1870, pp. 15-19. The species are not given. Eggs are figured, pl. I, f. a-c.
1872. KEDNEY, H. S. Occurrence of the Orchard Oriole [Icterus spurinus] in South Carolina. < *Am. Nat.*, vi, 1872, pp. 49-51.
With observations on its habits.
1872. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Icterus and Synallaxis. < *Ann. Lyc. Nat. Hist. N. Y.*, x, 1872, pp. 184-186.
Icterus formosus, p. 184 (Tehuantepec).
1872. LOCKWOOD, S. The Baltimore Oriole [Icterus baltimore] and Carpenter-Bee. < *Am. Nat.*, vi, 1872, pp. 721-724.
Popular account of the manner in which the bird feeds upon *Xylocopa carolina*.
1872. SCLATER, P. L. [Exhibition of a nest of the Tijereta (Milvulus Tyrannus) containing eggs of Molothrus bonariensis.] < *P. Z. S.*, 1872, p. 862.
1873. CABANIS, J. [Ueber Ostinops angustifrons Spix, O. atrovirens d'Orb., und O. atrocastaneus, n. sp.] < *J. f. O.*, 1873, pp. 308, 309.
1873. FOULKS, O. D. The Red-winged Blackbird [Agelæus phœniceus]. < *Am. Sportsman*, iii, 1873, p. 92.
1873. NEWMAN, E. Molothrus sericeus in Devon. < *Zoologist*, 2d ser., viii, 1873, p. 3411.
Presumed to have escaped from confinement.
1873. ORTON, J. Meadow Lark [Sturnella magna] with Four Legs. < *Am. Nat.*, vii, 1873, p. 175.
1874. "D. S." A Semi-domesticated Blackbird. < *Am. Sportsman*, iv, 1874, p. 28.
1874. "F. S. B." The Western lark—Sturnella Neglecta [i. e., Sturnella magna, var. neglecta]. < *Forest and Stream*, ii, Apr. 9, 1874, p. 134.
1874. HUDSON, W. H. Notes on the Procreant Instincts of the three Species of Molothrus found in Buenos Ayres. < *P. Z. S.*, xlii, 1874, pp. 153-174.
An extended and interesting article, giving much information, with suggestive deductions.
1874. JENKS, J. W. P. Instinct or Reason. < *Am. Sportsman*, v, Dec. 5, 1874, p. 145.
Sagacity of Orioles (*Icterus baltimore*) in giving extra support to their nest after experience had proved that its fastenings were weak; also, departure from type of architecture to meet an emergency in the case of the Boat-tailed Grackle (*Quiscalus major*).
1874. MAYNARD, C. J. Orchard Oriole (Icterus spurinus). < *Am. Sportsman*, iv, 1874, p. 155.
Occurring at Ipswich, Mass., and breeding at West Meriden, Conn.
1874. MEEHAN, T. [Fringivorous] Habits of the Orchard Oriole [Icterus spurinus]. < *Proc. Acad. Nat. Sci. Phila.*, xxvi, 1874, p. 84.
1874. SCLATER, P. L. On Centropsar, an apparently new Form of the Family Icteridae. < *P. Z. S.*, xlii, Mar. 3, 1874, pp. 175, 176, pl. xxvi, woodcut.
Centropsar mirus (sane mirabile dictu!), g. sp. n.; cf. *P. Z. S.*, 1875, p. 380.
1875. BATTY, J. H. Natural [history] researches in the Sierras. < *Rod and Gun*, vi, June 5, 1875, p. 146.
Song and characteristics of *Sturnella magna* var. *neglecta*.
1875. COUES, E. Albino Black-bird [Xanthocephalus icterocephalus]. < *Rod and Gun*, vi, Apr. 10, 1875, p. 24.

1875. "C. S. W." [INGERSOLL, E.] [Information as to the different birds in whose nests *Molothrus ater* has been observed to lay.] < *Forest and Stream*, v, Dec. 16, 1875, p. 292.
1875. DAVIS, F. J. The Rusty Blackbird. (*S[colecophagus]. ferrugineus.*) < *Oölogist*, i, pt. 5, 1875, pp. 37, 38, with figure.
1875. DUBOIS, A. Descriptions de quelques Oiseaux Nouveaux. < *Bull. Acad. Roy. Belgique*, 2^e sér., xl, No. 12, Dec., 1875, pp. 13-17.
Only seen separate.—Of *Icteridæ* there are here described: *Icterus virescens*, p. 15, Mexico; *Icterus xanthornus* var. *dubusii*, p. 16, Panama; and *I. x.* var. *marginalis*, p. 17, Panama. The article also describes *Cyanocitta yucatanica*, sp. n., p. 13.
1875. F[REEMAN], C. M. The Baltimore Oriole [*Icterus baltimore*]. < *Oölogist*, i, 1875, p. 46.
1875. SCLATER, P. L. [Remarks on exhibition of the typical specimen of *Centropus mirus*.] < *P. Z. S.*, June 1, 1875, p. 350.
Genus fictum; avis artefacta, capite *Icteri* (*auduboni*?), caudâ *Agelaii phoenicea*, pedibus *Eremophila alpestris*, instructa. Cf. *J. f. O.*, xxii, 1874, p. 458.
1875. ANON. A Word for the Birds [*Icteridæ*]. < *Rod and Gun*, vi, Sept. 11, 1875, p. 364.
Reprint from Boston "Advertiser" concerning utility of Blackbirds in destroying army worms.
1876. FOWLER, H. G. Asylums of the Cow-bird [*Molothrus ater*]. < *Forest and Stream*, vii, Aug. 10, 1876, p. 4.
List of birds in whose nests eggs of this species have been found; to which is added editorial [INGERSOLL, E.] note.
1876. "FRANK." Black Birds [*Icteridæ* of New York State]. < *Rod and Gun*, viii, July 15, 1876, p. 244.
1876. INGERSOLL, E. A Summer Bird [*Icterus baltimore*]. < *Harper's New Monthly Mag.*, liii, p. 574-578; illustration of nest.
1876. RAGSDALE, G. H. Nesting of the Hooded Oriole [*Icterus cucullatus*] in Cooke County, Texas. < *Oölogist*, ii, No. 8, 1876, p. 57.
1876. ANON. A Golden Robin [*Icterus baltimore*]. < *Rod and Gun*, viii, Aug. 19, 1876, p. 325.
Successful amputation of wild oriole's leg. From "Boston Post".
1877. BREWER, T. M. [Remark on the eggs of *Molothrus bonariensis*.] < *Proc. Boston Soc. Nat. Hist.*, xix, 1877, p. 76.
1877. W[ILLCOX], J. Crow Blackbirds [*Quiscalus versicolor*] eat fish. < *Forest and Stream*, viii, Apr. 5, 1877, p. 129.
1877. MERRILL, J. C. Notes on [the habits of] *Molothrus æneus*, Wagl. < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, pp. 85-87.
1877. RAGSDALE, G. H. The Nesting of the Hooded Oriole [*Icterus cucullatus*] in Cooke Co., Texas. < *Forest and Stream*, vii, Feb. 1, 1877, p. 404.
From *Oölogist*, ii, 1876, p. 57.
1877. WILLCOX, J. On the [fish-eating] Habits of *Quiscalus purpureus*. < *Proc. Phila. Acad. Nat. Sci.*, 1877, p. 38.
1878. BAILEY, T. S. That Nondescript Egg. < *The Oölogist*, iv, No. 4, June, 1878, p. 25.
Decided to be that of *Quiscalus purpureus*. The article also gives an account of a hybrid between *Gallus bankivi* var. and *Numida meleagris*.
1878. BAILEY, T. S. A Stray Egg. < *The Oölogist*, iv, No. 3, May, 1878, p. 19.
Of *Molothrus ater*, in nest of *Spizella pusilla*.
1878. BARBER, E. A. Ornithological Notes. < *Am. Nat.*, xii, No. 7, July, 1878, pp. 477, 478.
On peculiarities in oviposition of *Molothrus ater* and *Sturnella magna*.
1878. [WILLARD, S. L.] Flocking of *Quiscalus purpureus*. < *The Oölogist*, iv, No. 2, Apr., 1878, p. 15.

1878. [WILLARD, S. L.] The Cow-bird [*Molothrus ater*] a Polygamist. < *The Oölogist*, iv, No. 1, Mar., 1878, p. 7.
1878. [WILLARD, S. L.] A Nondescript Egg. *The Oölogist*, May, 1878, pp. 17-19.
Supposed to be the produce of *Turdus migratorius* × *Quiscalus purpureus*!
1879. BREWER, T. M. The Cow-Blackbird of Texas and Arizona (*Molothrus obscurus*). < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 123.
Dr. J. C. Merrill's correction of "a grave error" of the writer's respecting the eggs of this bird.
1879. [CHAPMAN, W. L.] Albinos [*Scolecophagus cyanocephalus*?]. < *Forest and Stream*, xiii, Dec. 18, 1879, p. 907.
1879. DUGÈS, E. [Flocking of *Molothrus ater* (var. *obscurus*?).] < *The Oölogist*, iv, No. 10, May, 1879, p. 84.
Quoted from a letter to the Smithsonian Institution, published by S. F. Baird in *Harper's Weekly*: refers to a certain flight supposed to have been 12,000 yards in length, six yards wide, and probably over a yard deep, estimated to contain 9 or 10,000,000 individuals.
1879. EDITORIAL. [Eggs of *Molothrus ater* in Nests of *Turdus migratorius* and *Quiscalus versicolor*.] < *The Oölogist*, iv, No. 10, May, 1879, pp. 78, 79.
Two untitled paragraphs, from Rev. J. Walton and C. W. Strumberg, with editorial comment.
1879. GRAY, A. F. Albino Bobolink [*Dolichonyx oryzivorus*]. < *Science News*, i, No. 19, Aug. 1, 1878, p. 304.
1879. INGERSOLL, E. Breeding Habits of the Hooded Oriole [*Icterus cucullatus*]. < *The Oölogist*, iv, No. 7, Feb., 1879, pp. 49, 50.
From advance sheets of his "Nests and Eggs of American Birds."
1879. INGERSOLL, E. Breeding Habits of obscure American Birds. The Hooded Oriole [*Icterus cucullatus*]. < *The Field* (London), liv, No. 1,394, Sept. 13, 1879, p. 374.
1879. RATHBUN, F. R. Golden Bird of Silver Song [*i. e.*, *Icterus baltimore*]. < *Auburn (N. Y.) Daily Advertiser*, May 21, 1879.
Popular account of habits.
1879. SENNETT, G. B. The Great-tailed Grackle (*Quiscalus macrurus*). < *The Oölogist*, iv, No. 7, Feb., 1879, pp. 53, 54.
Quoted from his paper in *Bull. U. S. Geol. and Geogr. Surv. Terr.*, iv, No. 1, 1878, pp. 1-66; relating to the habits of the bird as observed in Texas.
1879. [WILLARD, S. L.] Two Nests of *Icterus baltimore*. < *The Oölogist*, iv, No. 6, Jan., 1879, p. 42.
1879. [WILLARD, S. L.] [Eggs of *Molothrus ater* in nest of *Turdus migratorius*.] < *The Oölogist*, iv, No. 9, Apr., 1879, p. 65.

Tanagridæ.

1777. ANON. Description d'un nouveau Gros-bec de la Guiane. < *Obs. sur la Phys.* (Rozier), x, 1777, pp. 244, 245.
Pas vue moi-même.—N'est-ce pas la *Loxia erythromelas* Gm., c'est-à-dire, *Pitylus erythromelas*?
1792. BOSCH, L. *Tanagra humeralis*. < *Journ. d'Hist. Nat.*, ii, 1792, pp. 179, 180.
Not seen.—I do not know that this comes under *Tanagridæ* as now understood.
- 1805-18—. DESMAREST, A. G. Histoire Naturelle | des | Tanagras, | des Manakins et des Todiers, | par Anselme-Gaëtan Desmarest; | Avec figures imprimées en couleur, d'après les dessins de Mademoiselle | Pauline de Courcelles, élève de Barrabaud. | — | Paris. | Garnery, Rue de Seine: | Delachaussee, Rue de Temple, N.º 37. | XIII.—1805. gr. folio, not paged, 72 pll. not numbered.
Published in 12 livraisons, 1805 being the date of the first. The plates, by Mlle. de Courcelles (whom Temminck afterward knew very well as Mme. Knip), are very fine; Desmarest's letterpress is not specially noteworthy. The work, however, is "classic". By some fantasy, or marvellous oversight, in punishment for which the work ought to be banished from good society, not only is the text unpagged, but also are the plates unnumbered. The only clue by which they can be cited is the indirect avis servant de table at the end. According to this, the following is the order of the plates: 1. *Tanagra tatao*. 2. *Motacilia velia*. 3, 4. *Tanagra tricolor*. 5. *T. mexicana*. 6, 7. *T. gyrola*. 8, 9. *T. punctata*. 10. *T. cayana*. 11. *T. peruviana*. 12, 13, 14. *T. gularis*. 15, 16. *T. episcopa*. 17, 18. *T. archiepiscopus*, nob. 19, 20. *Pipra musica*. 21, 22, 23. *Tanagra violacea*. 24, 25. *T. chlorotica*. 26. *T. cayenensis*. 27. *Euphonia olivacea*, nob. 28, 29. *Tanagra brasilia*. 30, 31. *Tanagra jucapa*. 32, 33. *T. mississipensis* (sic). 34. *T. rubra*. 35, 36, 37. *T. olivacea* Gm.!!! 38, 39, 40. *T. silens* Lath. 41. *T. pileata*. 42. *T. atra*. 43. *T. magna*. 44. *T. guianensis*. 45, 46. *T. nigerrima*. 47, 48, 49. *T. cristata*. 50, 51, 52, 53. *Pipra parcola*. 54, 55, 56, 57. *T. aureola*. 58. *P. gutturosa*, nob. 59. *P. leucocapilla*. 60, 61. *P. erythrocephala*. 62-64. *P. serena*. 63-65. *P. gutturalis*. 66. *P. albifrons*. 67. *Todus viridis*. 68. *T. cinereus*. 69. *T. griseus*, nob. 70. *T. maculatus*, nob. 71. *T. sylvia*, nob. 72. *T. platyrhynchos* (sic). All these, except those marked nob. and one of Latham, are ascribed to Gmelin; but the identification, in some cases, is very wild.—The genera *Euphonia* and *Ramphocelus* are new.
1826. SWAINSON, W. A Monograph of the genus Tachyphonus, a group of Birds belonging to the Tanagra L. < *Quart. Journ. Sci. Lit. Arts Roy. Inst.*, xx, 1826, pp. 60-69. (*Féruss. Bull.*, 2e sect., xi, 1827, pp. 111-113.)
Not seen in this form; there is an edition in *Isis*, 1833, pp. 934, 935.
1827. LESSON, [R. P.] Monographie du genre Tachyphonus. . . . par William Swainson. . . . < *Féruss. Bull.*, 2e sect., xi, 1827, pp. 111-113.
Précis de cet ouvrage.
1829. LUND, P. W. De genere Euphones præsertim de singulari canalis intestinalis structurâ in hocce avium genere, auctore Dr. P. W. Lund. 8vo. Havniæ, 1829.
Not seen.—Cf. *Forriep's* Notizen, 1830, No. 573; *Férussac's Bull.*, 2e sect., xxii, 1830, p. 121.
1831. ANON. De genere Euphones, præsertim de singulari canalis intestinalis structura in hocce avium genere, auct. Dr. P. W. Lund. Havniæ ap. Brummer. 29. 8. 32. tab. < *Oken's Isis*, Bd. xxiv, 1831, pp. 733, 734.
Übersicht und Auszug.
1833. BONAPARTE, C. L. Ueber einen neuen Ramphocelus [passerini] aus Cuba. < *Oken's Isis*, Bd. xxxvi. Jahrg. 1833, p. 755.
1833. SWAINSON, W. Monographie von Tachyphonus. < *Oken's Isis*, Jahrg. 1833, pp. 934, 935.
Auszug aus d. *Quart. Journ. Sci. Roy. Inst.*, xx, 1826, pp. 60-69. Diagnostik von 9 Arten.
1834. SUNDEVALL, C. J. Några arter af Fogelslägtet Euphone. < *Kongl. Svensk. Vetensk.-Acad. Handl. för 1833, 1834*, pp. 308-312, pll. 10, 11.
E. ænea, p. 309, pl. 11, f. 4; *E. xanthogaster*, p. 310, pl. 10, f. 1; *E. chlorotica*, p. 310, pl. 10 f. 2, 3; *E. aurora*, p. 312, pl. 11, f. 5.

1835. JAMESON, R. [*Tanagra nigricephala*, n. sp.] < *L'Institut*, iii, 1835, p. 316.
Not seen.—This is the Jamaican *Spindalis* (Jard., 1837) *nigricephala*; see Jard. & Selby, *Ill. Orn.*, pl. 9; Des Murs, *Id. Orn.*, pl. 40; Gosse, *Ill. B. Jam.*, pl. 56.
1837. LAFRESNAYE, F. DE. Notice sur le groupe des Tangaras Rhamphocèles et sur toutes les espèces qui le composent, et description d'une nouvelle espèce de cette division. < *Guér. Mag. de Zool.*, 7^e année, 1837, classe ii, notice lxxxi, pp. 1-4, pl. lxxxi.
Six espèces de cette division. Pl. 81, *Rhamphocelus dimidiatus*, sp. n.
1838. BONAPARTE, C. L. Nouvelle espèce d'oiseau du genre Rhamphocèle [*Rhamphocelus icteronotus*]. < *Revue Zoologique*, i, 1838, p. 8.
1838. LAFRESNAYE, [F.] DE. Nouvelle espèce d'oiseau du genre Rhamphocèle [*Rhamphocelus luciani*]. < *Revue Zoologique*, i, 1838, p. 54.
1839. DUBUS DE GUISIGNIES, V. B. Description d'un Tanagra nouveau [*T. humulata*]. < *Bull. Acad. Bruxelles*, vi^e, 1839, p. 439, pl. (*L'Inst.*, vii, No. 310, 1839, p. 428.)
Not seen.
1839. LAFRESNAYE, F. DE. G. Tangara. Tanagra. Linné. (Groupe des Rhamphocèles, Rhamphocelus.) T. (Rh.) de Lucien. T. (Rh.) Luciani. Lafresn. < *Guér. Mag. de Zool.*, 2^e sér., année 1839, Ois., pp. 1, 2, pl. 2.
1839. TRUDEAU, J. Description of the White-winged Tanager, (*Pyrranga leucoptera*.) < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, p. 160.
1840. PASSERINI, [C.] [Note sur la propagation de la *Paroaria cucullata* en Europe.] < *Revue Zoologique*, iii, 1840, p. 28.
1841. BOISSONNEAU, —. G. Tangara. Tanagra. Linné. (Groupe des Tangaras Euphones.) T. de Vassor. T. vassorii. Boissonneau. < *Guér. Mag. de Zool.*, 2^e sér., année 1841, Oiseaux, pp. 1, 2, pl. 23.
Rev. Zool., 1840, p. 4.
1841. HARTLAUB, [G.] Description d'une nouvelle espèce du genre Tangara [*T. iridina*]. < *Revue de Zoologique*, iv, 1841, p. 305.
1841. LAFRESNAYE, [F.] DE. [Tangara iridina Hartl. = *Tanagra velia* Vieill.] < *Revue Zoologique*, iv, 1841, pp. 365-367.
1841. PASSERINI, C. Notizie | sulla moltiplicazione in Firenze negli anni 1837. 1838. 1839 | dell' Uccello Americano | *Paroaria cucullata* | chiamato volgarmente Cardinale | Lette in Pisa | alla sezione di Zoologia della prima riunione degli Scienziati Italiani | il 7 Ottobre 1839 | da Carlo Passerini | [ec., 10 linee] | — | Firenze | tipografia Pezzati | 1841 folio. pp. 8, 1 pl.
La tavola colorata, dei cinque figure, mostra gl' uccelli (il maschio e la femmina), il piccolo, il nido, e l' uova. Cf. *Rev. Zool.*, v, 1842, pp. 280, 281.
1842. LAFRESNAYE, F. DE. Sur quelques Oiseaux. < *Revue Zoologique*, v, 1842, pp. 69, 70.
Certhiparus, g. n., p. 69; *Pyrranga bivittata*, sp. n., p. 70.
1843. LAFRESNAYE, [F.] DE. G. Tangara. Tanagra. L. T. (Aglaia) de Parzudaki. T. (Aglaia) Parzudaki. Lafr. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Ois., pp. 1, 2, pl. 41.
Rev. Zool., 1843, p. 97.
1843. [LAFRESNAYE, F. DE.] G. Tangara. Tanagra. L. T. (Euphonia) de prêtre. T. (Enphonia) Pretrei. De Lafr. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Ois., pp. 1, 2, pl. 42.
1843. [LAFRESNAYE, F. DE.] G. Tangara. Tanagra. L. T. (Aglaia) vert noiset. T. (Aglaia) nigroviridis. De Lafr. < *Guér. Mag. de Zool.*, 2^e sér., année 1843, Ois., pp. 1, 2, pl. 43.
R. Z., 1843, pp. 97 and 69.
1844. BUCKLER, C. Note on the occurrence of the Red-breasted Tanager [*Ramphopis purpureus*], near Cheltenham. < *Zoologist*, ii, 1844, p. 444.
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1846. CABOT, S., JR. [*Pyrranga roseo-gularis*, sp. n.] < *Proc. Boston Soc. Nat. Hist.*, ii, 1846, p. 187.
1846. CABOT, S., JR. Description of *Pyrranga roseo-gularis*, (Rose-throated Tanager.) < *Journ. Boston Soc. Nat. Hist.*, v, pt. iii, 1846, p. 416.
1846. LAFRESNAYE, F. DE. Sur une nouvelle espèce d'Enphone (*Euphonia* [cinerea]). < *Revue Zoologique*, ix, 1846, pp. 277, 278.
1846. LAFRESNAYE, F. DE. Sur le *Ramphocelus Icteronotus* du prince Bonaparte. < *Revue Zoologique*, ix, 1846, pp. 365-370.
Avec synopsis de 10 esp. du genre.
1846. LAFRESNAYE, [F.] DE. Sur le Lanion huppé, *Lanio cristatus* de Vieillot, et sur une nouvelle espèce du genre Lanion. < *Revue Zoologique*, ix, 1846, pp. 202-206.
Synopsis de six espèces—*Lanio aurantius*, p. 204, sp. n.
1847. CABOT, S., JR. *Pyrranga roseo-gularis*, a new species from Yucatan. < *Am. Journ. Sci.*, iii, 1847, pp. 436, 437.
From *Proc. Bost. Soc. Nat. Hist.*, Dec., 1846, p. 187.
1847. CABOT, S., JR. *Pyrranga roseo-gularis*, a new species from Yucatan. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 143.
From *Am. Journ. Sci.*, 1847, p. 437.
1847. HARTLAUB, [G.] [Rectification de la synonymie de *Tanagra zenoides* Lafr.] < *Revue Zoologique*, x, 1847, pp. 417, 418.
1847. LAFRESNAYE, F. DE. Sur les *Tanagras gyrola* Gmel. (Rouverdin Vieillot) et *Zena* Gmel. (*Bahameusis* Brisson) et quelques espèces voisines faciles à confondre avec elles. < *Revue Zoologique*, x, 1847, pp. 275-281.
1848. CASSIN, J. Description of a new *Tanagra* [*nigro-aurita*], in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iv, 1848, pp. 85, 86.
1849. [JARDINE, W.] *Tanagra cana*, Swainson. < *Jard. Contrib. Ornith.*, 1849, p. 19, pl. xvi.
1850. SCLATER, P. L. [Description of *Calliste chrysonota*, sp. n.] < *Jard. Contrib. Ornith.*, 1850, p. 50, pl. li.
1851. BONAPARTE, C. L. Note sur les Tangaras, leurs affinités, et descriptions d'espèces nouvelles. < *Compt. Rend. de l'Acad. Sci.*, xxxii, 1851, pp. 76-83.
Calliste bourcierii, *C. phoenicotis*, *C. icterocephala*, *C. gutturala*, p. 76; *Tanagrella rufigula*, p. 77; *Callospiza boliviana*, p. 80, spp. nn.
The paper is substantially the same (though with some modification) as one in *R. M. Z.* of same date (see next title). It is full of mishaps, many of which were exposed by Sclater, *Jard. Contr. Orn.*, 1851, pp. 93-96.
1851. BONAPARTE, C. L. Note sur les Tangaras, leurs affinités et descriptions d'espèces nouvelles. < *Rev. et Mag. de Zool.*, iii, Mar., 1851, pp. 129-145; Apr., 1851, pp. 168-180.
Calliparera (g. n.) *bourcierii*, *C. phoenicotis*, *Chrysotrappis icterocephala*, p. 129; *Ixotrappis* (g. n.) *gutturala*, *Tanagrella rufigula*, p. 130, spp. nn.; *Chalcothraupis*, g. n., p. 131. L'auteur donne encore plusieurs rectifications relatives aux espèces de la famille et à leur synonymie. *Procnias*, 2 esp. *Pipreida*, 2 esp. *Iodopleura*, 5 esp. *Enphone*, 13 esp.: *E. brevisrostris*, *E. pyrrula*, p. 136, spp. nn. *Pyrrhuphonia* (g. n., p. 137), 2 esp. *Chlorophonia* (g. n., p. 137), 3 esp. *Cyanophonia* (g. n., p. 138), 2 esp. *Calliste*, 8 esp. *Taïao* (g. n., p. 141), 7 esp. *Chrysotrappis*, 11 esp. *Ixotrappis*, 3 esp. *Chalcothraupis*, 7 esp. *Callospiza*, 4 esp.: *C. boliviana*, sp. n., p. 169; *Tanagra*, 8 esp. *Dubusia gigas*, sp. n., p. 171; *Tachyphonus*, 10 esp.: *T. beauperthuyi*, p. 175, sp. n. *Phainicotrappis*, 2 esp. *Lanio*, *Lamprotes*, *Sericossypha*, *Pyrranga*, *Ramphocelus*: *Dulus*: *D. poliocephalus*, p. 178, sp. n. Enfin, description d'une Alouette d'Afrique! *Alauda cinnamomea*, p. 179, sp. n.—Voir *Jard. Contr. Orn.*, 1851, pp. 93-96.
1851. LAFRESNAYE, F. DE. Sur l'oiseau nommé par Brisson *Tangara* de Saint-Domingue, *Tanagra Dominicensis*, *Tanagra Dominica*, par Linné, figuré par Buffon, pl. enl. 156, f. 2, et dont Vieillot a fait son genre *Esclave* (*Dulus*), sous le nom de *Dulus palmarum*. < *Rev. et Mag. de Zool.*, iii, 1851, pp. 583-590.
There is a curious "snag" here. Cf. Strickl., *Jard. Contr. Orn.*, 1851, pp. 103, 104. See Gray's *Handlist*, Nos. 5827 and 7025.

1851. SCLATER, P. L. On Some New Species of Calliste. < *Jard. Contrib. Ornith.*, 1851, pp. 21-25, pl. lxiix.
C. virescens, p. 22, pl. lxiix, f. 1; *C. xanthogastra*, p. 23; *C. chrysophrys*, p. 24, pl. lxiix, f. 2; with chars. of *C. punctata*, Linn.
1851. SCLATER, P. L. I. Remarks on Prince Canino's Note, "Sur les Tangaras," in the Revue et Magazine de Zoologie, March and April, 1851. < *Jard. Contrib. Ornith.*, 1851, pp. 93-96.
 Rectifications of synonymy, &c.
1851. SCLATER, P. L. II. On the Genus Tanagrella. < *Jard. Contrib. Ornith.*, 1851, pp. 97, 98, pl. lxxiv.
 3 spp. The pl. represents *T. calophrys*.
1851. SCLATER, P. L. III. On the genus Chlorochrysa, Bp. < *Jard. Contrib. Ornith.*, 1851, pp. 99-101, pl. lxxiii.
 2 spp. Pl. lxxiii, up. fig., *C. calliparva*; low. fig., *C. phœnicotis*.
1851. SCLATER, P. L. Synopsis of the Tanagrine genus Calliste, with Descriptions of New Species. < *Jard. Contrib. Ornith.*, 1851, pp. 49-73, pl. lxx.
 48 spp., divided in 8 groups.: *C. leucotis*, p. 58, *C. castaneiventris*, *C. ruficapilla*, p. 61; *C. castanonota*, p. 63. *C. lunigera*, p. 65, pl. lxx, f. 2, *C. lamprotis*, p. 65, spp. nn. The other fig. of pl. lxx is *C. heterocephala* Bp.
1851. SCLATER, P. L. Synopsis of the genus Euphonia, with descriptions of New species. < *Jard. Contrib. Ornith.*, 1851, pp. 81-92, pl. lxxv.
 23 spp. + 3 doubtful. *E. melanura*, p. 86; *E. pyrrhophrys*, p. 89, pl. lxxv, f. 2, spp. nn. The other fig. of same pl. is *E. nigricollis*.
1851. STRICKLAND, H. E. On two New Species of Euphonia, Desm., allied to *E. chlotrotica*. < *Jard. Contrib. Ornith.*, 1851, pp. 71-73.
E. trinitatis, *E. strictifrons*, p. 72, with synopsis of 5 spp. of the genus.
1851. STRICKLAND, H. E. On the Type of the genus Dulus, Vieill. < *Jard. Contrib. Ornith.*, 1851, pp. 103, 104.
Tanagra dominica L., nec *Turdus palmarum* L. Cf. Lafr., *Rev. Mag. Zool.*, iii, 1851, pp. 583-590.
1852. STRICKLAND, H. E. Description of Iridosornis dubusia (Bon.). < *Jard. Contrib. Ornith.*, 1852, pp. 127, 128, pl. xciv.
 With important bibliographical criticism. The pl. is marked "*Pœcilornis rufivertex*."
1853. LAFRESNAYE, F. DE. [*Arremon mystacalis* Scl. = *A. albifrenatus* Boiss. et Lafr.] < *Rev. et Mag. de Zool.*, v, 1853, pp. 62, 63.
1853. LAFRESNAYE, F. DE. Sur le genre Ramphocelus, Desm. et trois nouvelles espèces qui lui appartiennent. < *Rev. et Mag. de Zool.*, v, 1853, pp. 241-246.
 Le genre doit être naturellement subdivisé en deux sections, d'après la forme du bec.: I. *Ramph. macrognathi* (11 spp.). II. *R. micrognathi* (5 spp.). *R. magnirostris*, *R. venezuelensis*, p. 243; *R. aterimus*, p. 244.
1854. LAFRESNAYE, F. DE. Mélanges Ornithologiques. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 205-209.
 The article relates chiefly to the "subgenus" *Chrysothraupis*, i. e., *Calliste*, pp. 205-208. *C. selatleri*, (sic) p. 207, sp. n.
1854. SCLATER, P. L. Characters of some New or imperfectly-described Species of Tanagers. < *P. Z. S.*, xxii, 1854, pp. 95-98, pll. (Aves), lxiv, lxv.
Arremon axillaris, *Ramphocelus dorsalis* Bp. Mss., *Buthraupis chloronota*, pl. lxiv, p. 97; *Euphonia coneiinna*, pl. lxv, f. 2; *E. hirundinacea*, pl. lxv, f. 1, p. 98.
1854. SCLATER, P. L. Descriptions of Two New Tanagers in the British Museum. < *P. Z. S.*, xxii, 1854, pp. 157, 158, pll. (Aves) lxxviii, lxix.
Chlorospingus melanotis, p. 157, pl. lxxviii; *Tachyphonus xanthopygius*, p. 158, pl. lxix.
1854. SCLATER, P. L. Description of a new Tanager of the Genus Calliste [*C. venusta*]. < *P. Z. S.*, xxii, 1854, p. 248.
1854. SCLATER, P. L. Description of a second species of the Genus Procnias [*P. occidentalis*]. < *P. Z. S.*, xxii, 1854, p. 249.

1854. SCLATER, P. L. On a new species of Tanager [*Phœnicothraupis gutturalis*] in the British Museum. < *Ann. Mag. Nat. Hist.*, 2d ser., xiii, pp. 24, 25.
Phœnicothraupis gutturalis, p. 25; with synopsis of 3 spp. of the genus.
1854. SCLATER, P. L. Tanagrarium | Catalogus Specifiens, | auctore | Philippo Lutley Sclater, A. M. | Soc. Zool. Lond. Socio. | Basingstoke, | 1854. 1 vol. 8vo. pp. 16.
Exhibens nomina generum 41, specierum circ. 240, adjectis cuique auctore et patria, necnon annotationibus 15 ad calcem opusculi.
1855. SCLATER, P. L. Descriptions of four new or little-known Tanagers. < *P. Z. S.*, xxiii, 1855, pp. 83–85, pl. (Aves) lxxxix–xcii.
Arremon erythrorhynchus, p. 83, pl. lxxxix; *Tachyphonus xanthopygius*, p. 83, pl. xc; *Tanagera notabilis*, "Jardine," p. 84, pl. xci; *Saltator arremonops*, "Jardine," p. 84, pl. xcii.
1855. SCLATER, P. L. Description of a newly discovered Tanager of the Genus Buarremon [*leucopterus*]. < *P. Z. S.*, xxiii, 1855, p. 214, pl. (Aves) cix.
1855. SCLATER, P. L. Characters of two New Species of Tanagers. [*Dubusia auricrissa*, *Iridornis porphyrocephala*, pl. cx.] < *P. Z. S.*, xxiii, 1855, pp. 227, 228, pl. (Aves) cx.
1855. SCLATER, P. L. Characters of some New or imperfectly-described Species of Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 140–143.
From *P. Z. S.*, Mar. 28, 1854, pp. 95–98, q. v.
1855. SCLATER, P. L. Description of a new Tanager of the Genus *Calliste* [*venusta*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, p. 150.
From *P. Z. S.*, Nov. 14, 1854, p. 248.
1855. SCLATER, P. L. Descriptions of Two New Tanagers in the British Museum. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 377, 378.
From *P. Z. S.*, July 25, 1854, pp. 157, 158, q. v.
1855. SCLATER, P. L. Description of a second species of the genus *Procnias* [*occidentalis*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pl. 380.
From *P. Z. S.*, Nov. 14, 1854, p. 249.
1856. SCLATER, P. L. Note on the Zoological Appendix to the 'Report of the U. S. Naval Astronomical Expedition to the Southern Hemisphere,' and on the Geographic Range and Distribution of the Tanagrine Genera *Calliste* and *Euphonia*. < *P. Z. S.*, xxiv, 1856, pp. 18, 19.
The "Note" refers to a probable mistake in the work named respecting the alleged Chilean habitat of *Calliste cyaneicollis*, *C. gyroloides*, and *Euphonia rufiventris*; states that the *C. "lanceolata"* figured on pl. 18, f. 2, is not that species, but *C. thalassina*. The article concludes with a tabular exhibit of the geographical distribution of 48 spp. of the genus *Calliste*.
1856. SCLATER, P. L. Synopsis Avium Tanagrarum.—A descriptive Catalogue of the known Species of Tanagers. < *P. Z. S.*, xxiv, 1856, pp. 64–94, 108–132, 230–251.
40 gen., 272 spp. Much synonymy and critical commentary. *Chlorospingus flaviventris*, p. 91; *Nemosia guirina*, *N. insignis*, p. 110; *N. auricollis*, p. 111; *Ramphocelus unicolor*, p. 128; *Calliste vieillotii*, p. 257; *C. cyanescens*, p. 260; *Euphonia fulvicrissa*, p. 276; *E. crassirostris*, p. 277, spp. nn.
1856. SCLATER, P. L. Synopsis Avium Tanagrarum. | A Descriptive Catalogue | of the known | Species of Tanagers. | By | Philip Lutley Sclater, M. A., F. Z. S., &c. | — | [From the Proceedings of the Zoological Society, | April 2, 1856.] | — | London: | printed by Taylor and Francis. | Red Lion Court, Fleet Street. | 1856. 1 vol. 8vo. pp. 127.
Treating 272 spp. under 40 genera, with synonymy, diagnosis, habitat, and criticism.
1856. SCLATER, P. L. On a New Tanager of the Genus *Calliste* [*rufigenis*]. < *P. Z. S.*, xxiv, 1856, p. 311.
1856. SCLATER, P. L. Description of a newly discovered Tanager of the genus Buarremon [*leucopterus*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 350, 351.
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1856. SCLATER, P. L. Characters of Two New Species of Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 418, 419.
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1856. SCLATER, P. L. Descriptions of four new or little-known Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 515-517.
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1857. SCLATER, P. L. Descriptions of some New Species of Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, p. 272.
From *P. Z. S.*, May 13, 1856.
1857. SCLATER, P. L. Description of a New Tanager of the genus *Enphonia* [*E. gouldi*]. < *P. Z. S.*, xxv, 1857, p. 66, pl. (Aves) cxxiv.
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Letter-press general, relating to each one of 52 spp., introduced by an essay on the genus, which includes schema generum tanagrinorum, et callistarum schema geographicum. The pls. are not numbered; according to the text they are:—Pl. i, f. 1, *tatao*, p. 1; i, f. 2, *calicicolor*, p. 3; ii, *yeu*, p. 5; iii, *tricolor*, p. 7; iv, *fastuosa*, p. 9; v, *festiva*, p. 11; vi, *cyaneiventris*, p. 13; vii, *thoracica*, p. 15; viii, *schranki*, p. 17; ix, *punctata*, p. 19; x, *guttata*, p. 21; xi, *xanthogastra*, p. 23; xii, *graminea*, p. 25; xiii, *rufigularis*, p. 27; xiv, f. 2, *aurulenta*, p. 29; xiv, f. 1, *sclateri*, p. 31; xv, *pulchra*, p. 33; xvi, *arthusi*, p. 35; xvii, *icterocephala*, p. 37; xviii, *vitriolina*, p. 39; xix, *cayanã*, p. 41; xx, *euenllata*, p. 45; xxi, *flava*, ♂, ♀, p. 47; xxii, *pretiosa*, p. 49; xxiii, *melanonota*, ♂, ♀, p. 51; xxiv, *cyanoptera*, p. 53; xxv, *gyrola*, p. 55; xxvi, *gyroloides*, p. 57; xxvii, *desmaresti*, p. 59; xxviii, *brasiliensis*, p. 61; xxix, *flaviventris*, p. 63; xxx, *boliviana*, p. 67; xxxi, *atricerulea*, p. 69; xxxii, *ruficervix*, p. 71; xxxiii, *atricapilla*, ♂, ♀, p. 73; xxxiv, *argentea*, p. 75; xxxv, *cyanescens*, p. 79; xxxvi, *larvata*, p. 81; xxxvii, *nigricincta*, p. 85; xxxviii, *cyaneicollis*, p. 87; xxxix, *labradorides*, p. 89; xl, *rufigenis*, p. 91; xli, *parzudakii*, p. 93; xlii, *lunigera*, p. 95; xliii, *chrysotis*, p. 97; xlv, f. 1, *xanthocephala*, p. 99; xlv, f. 2, *venusta*, p. 101; xlv, *inornata*, p. 103.—*cyanolerna*, p. 43; *cielloti*, p. 65; *nigritiridis*, p. 77; *francescae*, p. 83, are not figured. For additions, see *Ibis*, 1863, pp. 450-452.
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5 spp.—*Chlorospingus castaneicollis*, p. 293; *Calliste cyanotis*, p. 294, spp. nn.
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1873. SCLATER, P. L. Note on the *Pyranga roseogularis* of Cabot. < *Ibis*, 3d ser., iii, 1873, pp. 125, 126, pl. iii.
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1879. ANON. Comparative Scarcity of the Scarlet Tanager [*Pyranga rubra*, in New York]. < *The Oölogist*, iv. No. 11, June, 1879, p. 92.

Fringillidæ.(With *Emberizidæ*.)

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- 1749? LINNÆUS, C. Beschreibung eines Schnesperlings. < *Abhandl. d. Schwed. Akad. auf d. Jahr. 1740, 1749?* pp. 134-141, taf. i, figg. 9-11.
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- 1749? SUNDIUS, P. B. C. D. | Surinamensia Grilliana | [. . .] | curiosis examinanda sistit | Alumnus Oxenstiernianus | Petrus Sundius Nic. fil. | Stockholmiensis. | In audit. Carol. Maj. d. xviii Junii | Anni MDCCXLIX [sic] | H. A. M. C. | — | Holmiæ, | Typis Laurentii Salvii. | sm. 4to, 1. p. l., pp. 1-24, 1 pl.
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1750. LINNÆUS, C. Beschreibung eines indianischen Sperlings, Fringilla, capite caeruleo, dorso viridi, abdomine fulvo. < *Abhandl. d. Schwed. Akad. auf d. Jahr 1750*, pp. 287, 288.
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1778. OTTO, —. Abhandlung von den Abarten der Krentzschnabel [*Loxia curvirostra*], nebst einigen Anmerkungen über die Anordnung der Thiere. < *Der Naturforscher*, xii, 1778, pp. 92-99.
- 1785-1787. KUHN, —. Von dem Krünitz oder Krummschnabel (*Loxia curvirostra*),. < *Der Naturforscher*, xxi, 1785, p. 197; xxii, 1787, p. 142.
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With synonymy, criticism, and notes of habits.
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Geospiza magnirostris, *G. strenua*, *G. fortis*, *G. nebulosa*, *G. fuliginosa*, p. 5; *G. dentirostris*, *G. parvula*, *G. dubia*, *Camarhynchus psittacula*, *C. crassirostris*, p. 6; *Cactornis scandens*, *C. assimilis*, *Certhidea alivacca*, p. 7, *genn. et spp. nn.*
A very notable paper, first describing the remarkable *Fringillidæ* of the Galapagos. See Darwin's remarks on them, *ibid.* p. 49.
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1838. BLYTH, E. Plumage of the Crossbill [*Loxia curvirostra*]. < *Charlesw. Mag. Nat. Hist.*, ii, pp. 451, 452.
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Rev. Zool., 1840, p. 260.—En suite de la description spécifique, une liste synonymatique de cinq espèces du sousgenre *Spiza*.
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Fringilla (*Linaria*) *gebleri*, p. 251 = *P. aretous*, var. *a*. *F. (L.) brunneonucha*, p. 252 = *P. a*. var. *B*. *F. (L.) griseonucha*, p. 252 = *P. a*. var. *γ*. Each one of Pallas's three varieties of *Passer aretous* is thus provided with a new name; but as Brandt afterward saw that the word *aretous* itself must stand for one of them, he consequently (*Bulletin* of Feb. 3, 1843, p. 27) transferred his term *gebleri* to an entirely different bird.
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Pl. 34, *C. diadema* Lafr., *R. Z.*, 1842, p. 301, Bogotá.
1842. SUNDEVALL, C. J. Om systematiska fördelningen af Passeres (*Fringilla*, *Loxia* och *Emberiza* L.). < *Förh. Skand. Naturf. o. Läk.*, iii, 1842, pp. 691, 692.
Not seen.

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1843. HEPPENSTALL, J. Note on the Lesser Redpoll [*Ægithus linaria*]. < *Zoologist*, i, 1843, p. 353.
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1843. WILLOUGHBY, S. Note on the Snow Bunting [*Plectrophanes nivalis*]. < *Zoologist*, i, 1843, p. 352.
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The genus and species, described as new from Bogotá, are synonymous with *Catamblyrhynchus diadema* Lafr., *R. Z.*, 1842, p. 301.
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1845. FITTON, E. [B.] [Note on the White-winged Crossbill (*Loxia leucoptera*).] < *P. Z. S.*, xiii, 1845, p. 91.
1845. FITTON, E. B. Occurrence of the White-winged Crossbill [*Loxia leucoptera*] at Exmouth. < *Zoologist*, iii, 1845, p. 1190.
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1845. SUNDEVALL, [C. J.] Korsnåbbens [*Loxia curvirostra*] fortplantning. < *Öfvers. Kongl. Svensk. Vetensk.-Akad. Förhandl. för år 1845*, pp. 131, 132.
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1846. COOPER, J. Occurrence of the White-winged Crossbill [*Loxia leucoptera*] near Carlisle. < *Zoologist*, iv, 1846, p. 1551.
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1846. HUNTER, C. B. Nesting of the Lesser Redpoll [*Ægiothus linaria*] in Norfolk. < *Zoologist*, iv, 1846, p. 1497.
1846. HUNTER, C. B. Occurrence of the White-winged Crossbill [*Loxia curvirostra*] near Thetford. < *Zoologist*, iv, 1846, p. 1498.
1846. NEWTON, A. On Redpolls [*Ægiothus linaria*] staying at Thetford throughout the summer. < *Zoologist*, iv, 1846, pp. 1497, 1498.
1846. SELYS-LONGCHAMPS, E. DE. Notice sur les Becs-croisés leucoptère et bifascié. < *Bull. Acad. Belgique*, xiii, i, 1846, pp. 324-336; *l'Institut*, xiv, No. 660. 1846, pp. 290, 291.
Pas vue moi-même.
1846. SUNDEVALL, [C. J.] *Loxia bifasciata* Br. < *Öfvers. Kongl. Svensk. Vetensk.-Akad. Förhandl. för år 1846*, pp. 37-40.
"Efter några underrättelser om Bündel korsnäbbens förekomst, lemna förf. en öfversigt af de hittills kända 5 arterna af sl. *Loxia*."—v. Friesen, *Öfv. Sver. Orn. Litt.*, 1860, 34.
Hittills känner man följande arter af slaget *Loxia*: *L. pityopsittacus*, *L. curvirostra*, *L. fusca* V. [= *L. americana* Wils.], *L. bifasciata*, *L. leucoptera*.
1847. HODGKINSON, J. B. Occurrence of the White-winged Crossbill [*Loxia curvirostra*] in Cumberland. < *Zoologist*, v, 1847, p. 1638.
1848. JOHNSON, F. W. Extreme abundance of the Mealy Redpoll (*Fringilla* [*Ægiothus*] *canescens*) near Ipswich. < *Zoologist*, vi, 1848, p. 2064.
1848. NEWMAN, E. Proposed alteration of Name in the European White-winged Crossbill, and Occurrence of the American White-winged Crossbill [*Loxia leucoptera*] in England. < *Zoologist*, vi, 1848, p. 2300.
1848. NEWTON, A. Note on the Mealy Redpoll (*Fringilla* [*Ægiothus*] *canescens*), &c. < *Zoologist*, vi, 1848, pp. 2144, 2145.
- 1848 (*prior to*). WARD, J. F. Notice of the Appearance of the Pine Grosbeak, *Pyrrhula Enucleator*, in the Environs of New-York [in winter of 1836-7]. < *Ann. Lyc. Nat. Hist. New York*, iv, 1848, pp. 51, 52. (Read Dec. 19, 1836. Whole vol. dated 1848.)
This article must have appeared in 1844 or earlier, as it is noticed in the *Isis* of that year. The date given is that of the completed vol. of the *Annals*.
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1849. CATER, W. E. Arrival of the Snow Bunting (*Emberiza* [*Plectrophanes*] *nivalis*) [in Britain]. < *Zoologist*, vii, 1849, p. 2415.
1849. DUFF, J. The Crossbill (*Loxia curvirostra*) nesting in Durham. < *Zoologist*, vii, 1849, pp. 2526, 2527.
1849. ELLMAN, J. B. Occurrence of the Hawfinch (*Loxia eccothraustes*) and Crossbill (*L. curvirostra*) at Rye. < *Zoologist*, vii, 1849, p. 2418.
1849. HULKE, J. W. Occurrence of the Snow Bunting (*Emberiza* [*Plectrophanes*] *nivalis*) near Deal. < *Zoologist*, vii, 1849, p. 2388.
1849. [JARDINE, W.] *Phrygilus unicolor*, Tschudi. < *Jard. Contrib. Orn.*, 1849, p. 46, pl. xx.
1849. MARRIS, R. Occurrence of the Crossbill [*Loxia curvirostra*] at Wisbeach. < *Zoologist*, vii, 1849, p. 2527.
1849. [THIENEMANN, F. A. L.] Der weissbindige Kreuzschnabel. < *Rhea*, Heft. ii, 1849, pp. 165-171.
Behandelt *Loxia pityopsittacus*, *curvirostra*, und *leucoptera*, mit kurzer Beschreibung und Aussmessungen einiger Exemplare der drei Formen.

1850. AMHURST, F. K. Enquiry respecting a [British] Bird's Nest [*Ægiothus linaria*? see Zool., 3027]. < *Zoologist*, viii, 1850, p. 2967.
1850. BONAPARTE, C. L., and SCHLEGEL, H. Monographie | des | Loxiens | par | Ch. L. Bonaparte | et | H. Schlegel. | — | Ouvrage | accompagné de 54 planches coloriées, | lithographiées | d'après les dessins | de | M. Bâleker | et autres naturalistes | — | Leiden et Düsseldorf, | chez | Arnz & Comp. | 1850. 1 vol. 4to. 3 p. II (title, dedication), pp. i-xviii, 1-55, pll. color. 54.
- Descriptive and general account of 41 spp., introduced by a commentary on the inter-relations of *Fringillidæ*. The "Loxiens" are divided into 3 groups, *Loxiaceæ*, *Montifringillaceæ*, and *Linotaceæ*.—*Oriturus*, *Melanodera*, p. ii; *Lophospiza*, *Phonipara*, p. iii; *Pyrrholoxia*, *Cyanoloxia*, p. vi; *Chaunoproctus*, p. xiv, appear to be new generic names of Bonaparte's. Pl. 1, *Loxia pityopsittacus*; 2, 3, 4, 5, *L. curvirostra* et vars.; 6, *L. americana*; 7, *L. himalayana*; 8, *L. bifasciata*; 9, 10, *L. leucoptera*; 11, 12, *Corythus enucleator*; 13, *C. subhimachalus*; 14, *Carpodacus erythrinus*; 15, *C. purpureus*; 16, 17, *C. frontalis*; 18, *C. sinaiticus*; 19, 20, *C. roseus*; 21, *C. rhodochrous*; 22, *C. rhodopeplus*; 23, *C. theura*, p. 21, n. sp.; 24, *C. sophia*, p. 22, n. sp.; 25, *C. rhodochlamys*; 26, *C. rubicilla*; 27, 28, *C. puniceus*; 29, *Pyrrha saturata*; 30, 31, *Erythrospiza phænicoptera*; 32, *E. obsoleta*; 33, *E. githaginea*; 34, 35, *Uragus sibiricus*; 36, *U. sanguinolentus*; 37, 38, *Chaunoproctus papa*; 39, 40, *Hæmatospiza sipahi*; 41, *Montifringilla griseinucha*; 42, *M. brunneinucha*; 43, *M. tephrocotis*; 44, 45, *M. arctoa*; 46, *M. nivalis*; 47, *Fringalanda nemoricola*; 48, *Linota cannabina*; 49, *L. fringillirostris*, n. sp., p. 45; 50, *L. montium*; 51, *Acanthis canescens*; 52, *A. linaria*; 53, *A. hollbölli*; 54, *A. rufescens*.
- The introductory matter of this work is unmistakably "Napoleonic"; the text is apparently from the hand of the more conservative and trustworthy author.—There is a reprint of the "Introduction" in *Jard. Contr. Orn.*, 1851, pp. 27-47—though one issue of this matter might have been considered amply sufficient.
1850. [KIRTLAND, J. P.] Birds of Winter. < *The Family Visitor*, i, No. 8, 1850, p. —.
- Noting occurrence of certain *Fringillidæ* in Ohio at that season.
1850. [KIRTLAND, J. P.] Pine Linnet—*Linaria pinus*. < *The Family Visitor*, i, No. 18, 1850, p. 140. See also No. 19, p. 148, and No. 21, p. 164.
- Biographical sketch of the species as observed in Ohio.
1850. [KIRTLAND, J. P.] White-headed Sparrow [*Zonotrichia leucophrys*]. < *The Family Visitor*, i, No. 19, 1850, p. 148. See also No. 21, p. 164.
1850. LANFOSSI, P. Sovra l' albinismo e melanismo di una *Loxia curvirostra* e di una *Fringilla cisalpina*, e sull' *Emberiza rustica* Pall. < *Giorn. dell' Ital. R. Istit. Lombardo*, ii, 1850, pp. 111-113.
- Non veduto per me.
1850. NEWMAN, E. Occurrence of the Parrot Crossbill (*Loxia pityopsittacus*) near London. < *Zoologist*, viii, 1850, p. 2770.
1851. BREWER, T. M. [On the occurrence of the Pine Grosbeak (*Strobilophaga enucleator*) and other *Fringillidæ*, in the neighbourhood of East Bethel, Vt.] < *Proc. Boston Soc. Nat. Hist.*, iv, 1851, pp. 42, 43.
1851. HEWITSON, W. C. Remarkable Bird's [*Ægiothus linaria*?] Nest. < *Zoologist*, ix, 1851, p. 3027.
- Cf. Zool., 2967.
1851. [JARDINE, W.] Monographie des Loxiens. < *Jard. Contrib. Orn.*, 1851, pp. 27-47.
- Note introducing a reprint of the introduction of this work.
1851. LANFOSSI, P. Sopra varie *Fringille* appartenenti al sottogenere *Linaria* de Brehm. < *Giorn. dell' Ital. R. Istit. Lombardo*, new ser., iii, 1851, pp. 95-109.
- Non veduto per me.
1851. NEWTON, A. Occurrence of the Parrot Crossbill [*Loxia pityopsittacus*] in Suffolk and Norfolk. < *Zoologist*, ix, 1851, p. 3145.
1852. BELL, J. On the *Pipilo oregonus* [n. sp.] as distinguished from the *Pipilo areticus* of Swainson. < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 6-8. (Read Nov. 27, 1848.)
1852. BREE, C. R. Note on the Common Red-poll (*Linota* [*Ægiothus*] *linaria*). < *Zoologist*, x, 1852, pp. 3511, 3512.

1852. ELLMAN, J. B. Note on the Snow Bunting (*Emberiza* [*Plectrophanes*] *nivalis*). < *Zoologist*, x, 1852, p. 3329.
1852. MCCALL, G. A. Note on *Carpodacus frontalis*, (Say,) with description of a new species [*C. familiaris*] of the same genus, from Santa Fé, New Mexico. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, p. 61.
1852. VERREAUX, J. Description d'une nouvelle espèce d'oiseau du genre *Callirhynchus* [*devronis*]. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 314-316.
Described from Guayaquil.
1852. LAWRENCE, G. N. Descriptions of new species of Birds of the genera . . . *Embernagra* [*rufivirgata*], . . . < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 112-117, pl. 5. (Read Apr. 28, 1851.)
Here occurs, in a paper of wider scope, full title of which is the N. Amer. part of this *Bibl.*, the orig. descr. of the above sp., p. 112, pl. 5, f. 2.
1852. LAWRENCE, G. N. Descriptions of New Species of Birds, of the genera . . . *Plectrophanes* [*McCownii*, p. 122] Meyer. < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 121-123. (Read Sept. 8, 1851.)
Other spp. here described are a *Toxostoma* and a *Tyrannula*: title is to be found in full in the N. Am. part of this *Bibl.*
1852. WOODHOUSE, S. W. Descriptions of new species of Birds of the genera *Vireo*, *Vieill.*, and *Zonotrichia* [*cassini*, p. 60], Swains. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 60, 61.
This is the *Peuceea cassini* of later authors.
1852. WOODHOUSE, S. W. Description of a new Snow Finch of the genus *Struthus* [*caniceps*], Boie. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 202, 203.
1853. BREHM, [C.] L. Die Krenzschnäbel. *Crucirostra*, Cuv. < *Naumannia*, iii, 1853, pp. 178-203. 241-256; pl. —, figg. 1-20.
I. *Loxia pityopsittacus*: 1. *C. major*, f. 1; 2. *C. pityopsittacus*, f. 2; 3. *C. subpityopsittacus*, f. 3; 4. *C. brachyrhynchos*, f. 4; 5. *C. pseudopityopsittacus*, f. 5; 6. *C. intercedens*, f. 6. II. *Loxia curvirostra*: 1. *C. montana*, f. 9; 2. *C. paradoxa*, f. 7; 3. *C. media*, f. 8; 4. *C. macrorhynchos*, f. "8"; 5. *C. pinetorum*, f. 11. III. *Crucirostra minuta*: *C. minor*, f. 12. IV. *Crucirostra rubrifasciata*: 1. *C. rubrifasciata*, f. 13; 2. *C. erythroptera*, f. 14. V. *Crucirostræ albifasciata*: 1. *C. trifasciata*, f. 15; 2. *C. bifasciata*, f. 16; *C. tenuiptera*, f. 17; 4. *C. orientalis*, f. 18; 5. *C. assimilis*, f. 19; 6. *C. leucoptera*, f. 20.
In this paper Brehm is very thoroughly himself, carrying out his peculiar views to their logical extreme. All these "species," real or Brehmian, some of which are here described as new, are very elaborately treated; and the plate, from nature by J. F. Naumann, is valuable as showing how complete is the graduation in size of bill from the largest to the smallest. Among the twenty "species" here treated, some five or six might be held worthy of recognition by many ornithologists.
1853. BÖCK, —. Ausfallen der Mauser bei einem Vogel [*Centrophanes lapponica*] in der Gefangenschaft. < *J. f. O.*, i, 1853, pp. 207.
Cf. tom. cit., p. 383.
1854. CASSIN, J. [Remarks on abundance of *Loxia leucoptera* in the vicinity of Philadelphia, winter of 1853-4.] < *Proc. Acad. Nat. Sci. Phila.*, vii, 1854, pp. 203, 204.
1854. LANFOSSI, P. Sopra varie fringille appartenenti al sottogenere *Linaria* di Brehm. < *Bianconi's Repert. Ital. Stor. Nat.*, ii, 1854, pp. 24-27.
Estratto *Giorn. delle I. R. Istit. Lombardo di Scienze*, ec., t. iii, pp. 95-109, Milano, 1851.
1854. LANFOSSI, P. Sovra l'albinismo e melanismi d'una varietà della *Loxia curvirostra* etc. < *Bianconi's Repert. Ital. Stor. Nat.*, ii, 1854, pp. 9, 10.
Giorn. I. R. Istit. Lombardo di Scienze, ec., t. ii, Milano, 1850, p. 111.
1854. ROBERTS, A. Occurrence of the Crossbill [*Loxia curvirostra*] near Scarborough. < *Zoologist*, xii, 1854, pp. 4329, 4330.
1855. BOLD, T. J. Occurrence of Crossbills [*Loxia curvirostra*] in Northumberland and Durham. < *Zoologist*, xiii, 1855, p. 4871.

1855. BOLLE, C. Der Hakengimpel, Pyrrhula Enucleator, Temm. in Amerika. < *Naumannia*, 1855, pp. 424-427.
Ans dem Englischen von Audubon.
1855. BONAPARTE, C. L. [Remarques sur un opuscule de M. le vicomte Dubus de Ghisignies, sur douze espèces inédites de Passereaux chanteurs.] < *Compt. Rend. de l'Acad. Sci.*, xl, 1855, pp. 356, 454, 455.
Note: *Kieneria*, g. n., p. 356, type "ex-Pipilo rufipile."
1855. COTTLE, T. Coccothraustes vespertina.—Evening Grosbeak. < *Canad. Journ.*, iii, 1855, p. 287.
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Of the 20 species assigned to the genus in Gray's 'Hand-list,' the author has not seen 2; the remaining 18 are merged in 10, the diagnostic characters, synonymy, and distribution of which are given. One receives a new name (*Sycalis pelzelni*, p. 42). Pl. ii, f. 1, *S. chrysops*; f. 2, *S. lutea*. Pl. iii, *S. aureiventris*, ♂, ♀.
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 History—Bibliography—Material examined—Discussion of races and varieties—Geographical Distribution—Habits. Then the species monographed are: *L. atrata*, *L. tephrocotis*, *L. t. vars. littoralis* and *griseinucha*, *L. australis*, *L. brunneinucha*.
 The article is very complete, entering fully into the characters of all these forms of the genus. It became the occasion of a protracted discussion between the author and J. A. Allen: cf. *Bull. U. S. Geol. and Geogr. Surv. Terr.*, ii, 1876, pp. 345-350; *Field and Forest*, ii, 1876, pp. 37-43, and 76-79.
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1875. ANON. Pine Grosbeaks [*Pinicola enneleator*]. < *Forest and Stream*, iv, Apr. 15, 1875, p. 149. [Reprinted from Meadville (Pa.) "Republican."]
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1876. ALLEN, J. A. Sexual, Individual, and Geographical Variation in *Leucosticte tephrocotis*. < *Bull. U. S. Geol. Surv. Terr.*, ii, No. 4, July, 1876, pp. 345-350.
Treating the puzzling genus from the reverse of Ridgway's perspective, and reaching different results. Cf. *op. cit.*, 2d ser., No. 2, May 14, 1875, pp. 53-82; *Field and Forest*, ii, 1876, pp. 37-43, 76-79.
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1876. BURROUGHS, J. Notes from Our Correspondents. < *Forest and Stream*, v, Jan. 13, 1876, p. 356.
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Scarcely citable as a separate article, as it is part of the general report on the Ornithology of the Survey. It is well, however, thus to call attention to one of several essays on this genus, especially as some of the colored plates illustrate the species. The author recognizes the following forms of the genus:—A. *J. hyemalis*, with var. *aikeni*. B. *J. oregonus*, with var. *annectens*. C. *J. cinereus*, with vars. *allicola*, *dorsalis*, and *caniceps*.—Pl. viii, *J. annectens*. Pl. ix, *J. dorsalis*. Pl. x, *J. cinereus*.
1876. [INGERSOLL, E.] Pine finch. < *Forest and Stream*, vii, Oct. 12, 1876, p. 147.
Inquiry whether *Chrysomitris spinus* of Europe does not regularly visit New Brunswick during midwinter.
1876. RIDGWAY, R. "Sexual, Individual and Geographical Variation" in the Genus *Leucosticte*. < *Field and Forest*, ii, No. 3, Sept., 1876, pp. 37-43.
Continuation of the discussion with Mr. J. A. Allen of the much-vexed question respecting the species of this genus:—See *Bull. U. S. Geol. Surv. Terr.*, No. 2, May 14, 1875, and *op. cit.*, vol. ii, No. 4, July, 1876, pp. 345-350. In the present paper the author goes further into the subject, and concludes that he has "no hesitation" in asserting the distinct North American species of the genus to be *L. griseinucha* Brandt, *L. tephrocotis* Sw., *L. atrata* Ridgw., and *L. australis* Allen. The article is somewhat controversial. Cf. *Ibis*, 1878, p. 104.
1876. ROWLEY, G. D. *Zonotrichia albicollis*, Bonap. (The American White-throated Sparrow.) < *Rowl. Orn. Misc.*, ii, pt. v, Oct., 1876, pp. 75, 76, pl. xlv, f. 3.
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1877. BAILEY, H. B. Occurrence of *Passereulus princeps* in New York. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 78, 79.
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Carpodacus purpureus var. *californicus*. *Peuceea ruficeps*.
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1877. COALE, H. K. Junco oregonus in Illinois. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 82.
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A variety of eggs with ground color white instead of green.
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1877. [INGERSOLL, E.] [*Calamospiza bicolor* reported from Ipswich, Mass.] < *The Country*, i, Dec. 27, 1877, p. 115.
1877. INGERSOLL, E. The Song Sparrows of North America. < *The (London) Field*, 1, Nov. 10, 1877, p. 544.
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1877. RAGSDALE, G. H. *Plectrophanes lapponicus* [*Centrophanes lapponica*] in Texas. < *Oölogist*, ii, No. 11, pp. 79, 80.
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1878. ANON. Birds [Crossbills?] Hatched in February. < *Forest and Stream*, x, Mar. 7, 1878, p. 75.
1878. ANON. [Nesting of Crossbills.] < *Forest and Stream*, x, Apr. 4, 1878, p. 156.
1878. BAGG, E., JR. Lincoln's Finch (*Melospiza lincolni*) breeding in Hamilton County, N. Y. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 197, 198.
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With editorial note by J. A. Allen.
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1878. DEANE, R. *Coturniculus henslowi* in New Hampshire. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 39.
1878. "E. C. M." A Cardinal Grosbeak [*Cardinalis virginianus*] in Central Park. < *Forest and Stream*, x, Apr. 4, 1878, p. 156.
1878. [FITCH, E. H.] The Field Sparrow. (*Spizella pusilla*.) < *The Journ. of Sci.* (Toledo, Ohio), 2d ser. i, No. 7, Oct., 1878, cut.
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1878. GENTRY, [T. G.] The Rose-breasted Grosbeak [*Goniaphea ludoviciana*]. < *The Oölogist*, iv, No. 4, June, 1878, p. 30.
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1878. INGERSOLL, E. Breeding habits of the Goldfinch [*Chrysomitris tristis*]. < *Forest and Stream*, x, July 11, 1878, p. 442.
1878. JONES, J. M. Cardinal Grosbeak [*Cardinalis virginianus*] in Nova Scotia in Winter. < *Forest and Stream*, x, May 16, 1878, p. 275.

1878. KOCH, E. G. Breeding of the Snow bird [*Junco hyemalis*] in Pennsylvania. < *Forest and Stream*, x, July 4, 1878, p. 422.
1878. LAWRENCE, N. T. The Ipswich Sparrow (*Passerculus princeps*) on Long Island, N. Y. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 102.
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Picidæ.

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- 1861-62. MALHERBE, A. Monographie | des | Pici^dées | on Histoire Naturelle | des | Pici^dés. Picumminés, Yunginés ou Torcols | comprenant | dans la première partie, | L'origin mythologique, les mœurs, les migrations, l'anatomie, la physiologie, la répartition géographique, | les divers systèmes de classification de ces oiseaux grimpeurs zygodactyles, ainsi qu'un | dictionnaire alphabétique des auteurs et des ouvrages cités par abréviation : | dans la deuxième partie, | La synonymie, la description en latin et en français, l'histoire de chaque espèce, ainsi qu'un | dictionnaire alphabétique et synonymique latin de toutes les espèces; | par | Alf. Malherbe | [etc., 6 lignes.] | — | Texte [Planches]— Vol. I [-IV] | Metz—1861 [1862] | — | Typographie de Jules Verronnais, Imprimeur de la Société | d'Histoire Naturelle de la Moselle | 4 vols. folio. (2 vols. texte, 2 vols. pll. color.) Texte, Vol. I, 1861. 1 p. l., pp. i-lxx (+ 6 ll. interpol.), 1-214. Texte, Vol. II, 1862, 1 p. l., pp. 1-325. Planches. Vol. III, 1861, 1 p. l., pp. 1-8, pll. i-lx. Planches. Vol. IV, 1862. 1 p. l., pp. 1-6. pll. lxi-cxxi.
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Auch unter dem Halbtitel: Museum | Ornithologicum | Heineanum. — | Pars IV. | Scansores. — | Sectio II. | Picidæ.

The neuen genera and species dieser Arbeit sind folgende: *Pipiscus*, *Nannopipo*, p. 9; *Craugiscus*, p. 10; *Picumnus lepidotus*, p. 14; *P. azarae*, p. 20; *Dendrocoptes*, p. 41; *Liopipo*, p. 44; *Dendrotytes*, p. 46; *D. nesiotus*, p. 49; *Xylurgus*, p. 50; *X. subrufinus*, p. 50; *Xylocopus*, p. 51; *Baeopipo*, p. 54; *Dryobates homorus*, p. 65; *Threnopipo*, p. 70; *Cactocrangus*, p. 72; *Dictyopipo*, *Xenocrangus*, p. 74; *Cladoscopus*, p. 80; *Scapanus*, p. 90; *Oniparchus*, p. 98; *Ipocrantor*, p. 99; *Phlocotomus*, p. 102; *Thripomax*, p. 105; *T. jerdoni*, p. 105; *Xylolepes*, p. 108; *Lepecestes*, p. 110; *Ipophilus*, p. 113; *Ipoctonus* (Heine, 1860) *lepidus*, p. 118; *Thripius*, p. 121; *Ipagrus*, p. 123; *Ipopatis*, p. 129 (*Stictocrangus* Heine, 1860) *Onipotheres*, p. 131; *Camponomus*, p. 137; *Phaeonerpes reichenbachii*, p. 141; *Campias*, p. 145; *C. agilis*, p. 147; *C. sedulus*, p. 153; *C. hilaris*, p. 154; *Craugasus*, p. 157; *Chrysophilus punctipennis*, p. 163; *Geciniscus*, p. 174.

Most of these genera are useless and burdensome synonyms, resulting from the authors' purism in rejecting prior names not "classical" in form—a practice totally indefensible, unless in exceptional cases.

The original scope of the *Mus. Hein.*, as begun by Cabanis alone in 1850, was much enlarged in later parts by Cabanis & Heine. Thus, Theil IV. (Scansores), of which this Heft 2 consists of the *Picidæ*, amounts to a monography of the several families treated. Elaborate Latin descriptions of all the species in the collection are given, with a copious synonymy of each; and many other species are also as fully treated in German, in the foot-notes, which latter form a running commentary, especially full in synonymy and in criticism of the literary infelicities of previous writers who misspelled or misformed their generic names. The authors are careful to express their surprise at these "barbarisms" with the note of exclamation, and, what is more to the point, to give the etymology of the many new names they are pleased to invent for themselves. Cf. *Ibis*, 1865, p. 101.

1863. CASSIN, J. Notes on the Picidæ, with descriptions of new and little known species. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 194-204, 322-328.

61 spp. critically treated. *Picus orizaba*, *P. vagatus*, p. 196; *Polipicus* (g. n., p. 196) *elliottii*; *Campethera vestita*, p. 197; *Chrysopicus malherbei*, p. 198; *Campephilus bairdii*, p. 322, spp. nn.; *Campethera chrysura*, var. *lineata*, p. 327, n. var.

1863. CASSIN, J. Descriptions of new and little known species of Birds of the family Picidæ in the Museum of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Phila.*, v, pl. iv, Nov., 1863, art. x, pp. 457-461, pls. li-lij.

Pl. li, f. 1. *Polipicus elliottii* (descr. orig. *Proc. Acad.*, 1863, 197); f. 2. *Campethera vestita* (descr. orig. l. c.); f. 3. *Chrysopicus malherbei* (descr. orig. l. c., 198). Pl. lii, f. 1. *Picus vagatus* (descr. orig. l. c., 196); fig. 2. *Celeus mentalis* (descr. orig. *op. cit.*, 1860, 13).

1863. [LAPHAM, I. A.] The Sapsucker [*Sphyrapicus varius*]. < *Zoologist*, xxi, 1863, pp. 8767, 8768.

From *Proc. Bost. Soc. Nat. Hist.*, ix, 1862, p. 55.

1865. BRYANT, H. Remarks on *Sphyrapicus varius* Linn. < *Proc. Boston Soc. Nat. Hist.*, x, 1865, pp. 93-95.

Description of hyoid apparatus, in comparison with that of *Picus villosus* and *Colaptes auratus*, and conclusions drawn as to peculiar habits of the bird.

1865. HOY, P. R. The Sapsuck [*Sphyrapicus varius*]. < *Trans. Illinois State Agric. Soc. for 1861-4*, v, 1865, pp. 730-734, pl.

Habits, food, and peculiarities of hyoid apparatus. Treats also of other *Picidæ*, etc.

1866. JACKSON, C. T. [Notes on the Habit of *Melanerpes formicivorus* of hoarding acorns.] < *Proc. Boston Soc. Nat. Hist.*, x, 1866, p. 227.

1866. LORD, J. K. North Western Woodpeckers. < *The Intellectual Observer*, ix, 1866, pp. 321-333, 1 col. pl.

Pl. of *Picus abolarvatus*, ♂, ♀.

1866. SUNDEVALL, C. J. Conspectum Avium Picinarum | edidit | Carolus J. Sundevall | Custos Musei Zool. Stockholmensis. | — | Stockholmiae 1866. | Samson & Wallin. 1 vol. 8vo. pp. i-xiv. 1-116.

Præmonenda, pp. iii-vi; Index Operis Malherbei, pp. vii-xii; Distributio Picorum geographica, pp. xii-xiv; Conspectus Picorum, pp. 1-3; Pici species, pp. 4-94.—Picumnus, pp. 95-106.—Iynx, pp. 107-109.—Nomina et synonyma specialia Picorum, exclusis Picumnis et Iyngibus, pp. 110-115. Synopsis subgenerum Pici, pp. 115, 116.

Pici species adprobatae 254: incertae et spuriae 24. Picummi species 28. Iyngis species 4.

Synopsis subdivisionum generis Pici: Series I. *Angusticolles*, 1) *Principales*, 2) *Squamipites*, 3) *Parvicaudati*, 4) *Auricipites*. Series II. *Securirostris*, 5) *Nigrovarii*, 6) *Intermedii*, 7) *Passerini*, 8) *Fulvicaipi*, 9) *Menstrui*, 10) *Fuscorubidi*, 11) *Debilipedes*, 12) *Subvirides*. Series III. *Ligonirostris*, 13) *Dominicani*, 14) *Nigropietti*, 15) *Albafasciati*, 16) *Gutticentres*, 17) *Mesospili*, 18) *Flavinuchaes*, 19) *Virides*, 20) *Chrysuri*, 21) *Aratores*, 22) *Canipilei*, 23) *Rivoli*, 24) *Aurati*, 25) *Flavifasciati*, 26) *Canpestres*. Series IV. *Nudinares*, 27) *Sultanei*, 28) *Auropalliati*, 29) *Fulviciatati*, 30) *Acutirostris*.

Picummi genus in tribus 5 divisum: 1) Picummi enormes, 2) normales, 3) subnormales, 4) abnormes, 5) innormales.

Iyngis generis divisiones desunt.

Species omnes Picinarum auctori obviae optime describuntur, characteribus specierum et subspecierum datis, adjectisque synonymis, auctorum citationibus, locis, et notis variis; et sumum utique proprium locum in serie analytica adhibet auctor.

Picorum species novae sequentes in hoc opere descriptae: *P. canifrons*, p. 26; *P. hedenborgii* (= *P. murinus* Sund., 1850. nec Malh., 1845), p. 31; *P. rubidus* (= *reichenbachii* Mus. Hein. nec Mall.), p. 35; *P. albipes*, p. 37; *P. scotochlorus*, p. 48; *P. imberbis* (= *Malherbei* Cass. 1863, nec Gray), p. 194; *P. submexicanus* (= *mexicanoides* Lafr.), p. 72; *P. flavilumbis*, p. 74; *P. pholidotus* (= *mentalis* Cass. nec Temm.), p. 87; *P. squamigularis*, p. 89.

Picorum subspecies novae ut sequuntur: *P. (rubricollis) occidentalis*, p. 6; *P. (lineatus) occidentalis*, p. 8; *P. (canente) orientalis et occidentalis*, p. 11; *P. (cillosum) major, medius, minor*, p. 16; *P. (minor) borealis*, p. 26; *P. (varius) occidentalis*, p. 34; *P. (goertan) occidentalis*, p. 46; *P. (chrysurus) occidentalis et meridionalis*, p. 64; *P. aurato-mexicanus*, p. 72; *P. (sultaneus) major, indica*, p. 79; *minor*, p. 80; *P. (javanensis) major, minor*, p. 83.

Picumnorum species novae: *P. micromegas*, p. 95; *P. asterias*, p. 97; *P. spilogaster*, p. 100; *P. guttifer*, p. 101; *P. squamifer*, p. 102; *P. sagittatus*, p. 103; *P. nebulosus*, p. 103.

Iynges novae nullae, sed Iyngis torquillae formae novae septentrionalis et meridionalis describuntur p. 108.

Specierum Picorum cognitarum 254 sunt Americanae 132, Europaeo-Asiaticae 90, Africae propriae 32.

Inter species Pici incertae et spuriae sunt 15 dubiae, 2 defectu partium non agnitae, 3 aliorum generum Pico confusae, 4 arte compositae.

"This useful publication consists of a masterly digest of M. Malherbe's great 'Monographie des Picidées,' published at Metz between 1859 and 1862. Each species is fully described, references being made to the works in which it is figured (when such is the case), and its habitat stated. Excellent indices are also added. The *Picidae* are divided into three genera only . . . — a very different treatment of the family from that of most modern authors. We think it needless to indicate the precise limits of the smaller groups of species, or their relation to the too numerous so-called genera which have been lately instituted; for the work is one which must be consulted by any one working up the family, and its last pages contain a concise synopsis of their contents . . . The whole of this careful work is in Latin." (*Zool. Rec.*, iii. p. 77). Cf. also *Ibis*, 1866, pp. 415, 416.

1868. BERENDT, C. H. Report of Explorations in Central America. < (*Twenty-second*) *Ann. Rep. Smith. Inst.* (for 1867), 1868, pp. 420-426.

Allusion to habits of a Woodpecker.

1868. KEDZIE, W. K. The Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, ii, 1868, p. 382.

Laying of 33 eggs by one pair, upon repeated spoliation of their nest.

1868. ———. Saftsugende Trappkikere. < *Tidssk. Pop. Frem. af Naturv.*, 33. Række, v, 1868, pp. 345-347.

"Sap-sucking Woodpeckers."

1869. BARRY, W. E. The Woodpecker [*Picus pubescens*] and Sheldrake [*Mergus* sp.]. < *Am. Nat.*, ii, 1869, pp. 660-662.
Biographical notes.
1869. FOWLER, A. The Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, iii, 1869, pp. 422-427.
Account of the habits of this species and of *Picus pubescens*.
1869. SAUSSURE, H. DE. Los Picos [Picidæ]. < *La Naturaleza*, i, 1869, pp. 129-133.
Traducido por D. Jesus Sanchez. Sobre las costumbres del "*Colaptes rubricatus*" [i. e., *Melanerpes formicivorus*?].
1871. STROOP, L. J. Habits of the Red-headed Woodpecker [*Melanerpes erythrocephalus*]. < *Am. Nat.*, iv, 1871, p. 692.
Twenty-two individuals consecutively destroyed while trying to nest in a church-steeple.
1872. CABANIS, J. [Ueber *Centurus polygrammus*.] < *J. f. O.*, xx, 1872, pp. 157, 158.
1872. GARROD, A. H. Note on some of the Cranial Peculiarities of the Woodpeckers. < *Ibis*, 3d ser., ii, 1872, pp. 357-360, woode.
With special reference to the presence of a bone believed to be the vomer, absence of which had been asserted. The bone he mentions is situated between the palatals.
1872. THOMPSON, J. M. The Sapsucker [*Centurus carolinus*]. < *Appleton's Journ.*, viii, Dec., 1872, p. 631.
1873. TRIPPE, T. M. The Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, vii, 1873, p. 498.
Red feathers in the black cheek-patches of a male of this species from New Jersey.
1873. WHITE, C. A. Woodpeckers [*Melanerpes erythrocephalus*] Tapping Sugar Trees. < *Am. Nat.*, vii, 1873, p. 496.
Observed to tap sound *Acer saccharinum*, for the purpose, apparently, of feeding on the sap.
1874. FERNALD, C. H. The Red-headed Woodpecker in Maine (*Melanerpes erythrocephalus* Sw.). < *Am. Nat.*, viii, 1874, pp. 437, 438.
1876. BREWSTER, W. [Habits of] the Yellow-bellied woodpecker (*Sphyrapicus varius*). < *Bull. Natl. Ornith. Club*, i, No. 3, Sept., 1876, pp. 63-70.
1876. HERRICK, H. Notes from Our Correspondents. < *Forest and Stream*, v, Jan. 13, 1876, p. 356.
Melanerpes erythrocephalus revisiting Northern New Jersey.
1876. [INGERSOLL, E.] A provident woodpecker (*Melanerpes formicivorus*). < *Forest and Stream*, vii, Sept. 7, 1876, p. 68.
1876. [NEWCOMB, R. L.] Notes from Our Correspondents. < *Forest and Stream*, v, Jan. 13, 1876, p. 356.
Deformity in tongue of *Colaptes auratus*.
1876. SALVIN, O. [Exhibition of piece of trunk of a pine tree from Guatemala perforated by *Melanerpes formicivorus*.] < *P. Z. S.*, May 2, 1876, p. 414.
1877. ALDRICH, C. The Red-Headed Woodpecker [*Melanerpes erythrocephalus*] Carnivorous. < *Am. Nat.*, xi, No. 5, May, 1877, p. 308.
1877. "ARROW." The Red-Headed Woodpecker as an Egg-Sucker. < *Forest and Stream*, Nov. 8, 1877, p. 256.
1877. BOUDWIN, G. Red-Headed Woodpeckers [*Melanerpes erythrocephalus*]. < *Forest and Stream*, viii, July 26, 1877, p. 420.
1877. CALVIN, S. On Changes of Habit among Woodpeckers. < *Am. Nat.*, xi, No. 8, Aug., 1877, pp. 471, 472.
1877. COUES, E. Letters on Ornithology. No. 12.—Woodpeckers [Picidæ]. < *The Chicago Field*, Jan. 13, 1877, p. 348, figg. 6.
General account of various North American species, with original figures of the heads of *Picus villosus*, *Sphyrapicus thyroideus*, ♂, ♀, *Melanerpes torquatus*, *M. formicivorus*, and *Colaptes auratus*.

1877. LYLE, D. A. Notes on the Breeding habits of the Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, xi, No. 12, Dec., 1877, pp. 747-750.
Very close observation. Note by E. Cones, on the molestation of this large bird by English Sparrows (*Passer domesticus*).
1877. [SCOTT, W. E. D.] Migration of Woodpeckers [Picidae]. < *The Country*, i, Nov. 10, 1877, p. 31.
1878. ALDRICH, C. Red-headed Woodpecker [*Melanerpes erythrocephalus*] eating Grasshoppers. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 189.
Communicated by E. C[ones]. The birds caught *Caloptenus spretus* on open prairie, half a mile from timber.
1878. ANON. [Death of a woodpecker by fixing its bill in a piece of wood.] < *The Country*, i, March 9, 1878, p. 261.
1878. BAILEY, H. B. Some New Traits for the Red-headed Woodpecker [*Melanerpes erythrocephalus*]. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 97.
Their storing grasshoppers in cracks of wood.
1878. B[REWER], T. M. Picoides Arcticus. < *Forest and Stream*, xi, Oct. 31, 1878, p. 259. See p. 300.
Correcting misstatement on p. 239.
1878. "I. N." Fly-catching woodpeckers. < *The Country*, i, Feb. 9, 1878, p. 213.
1878. MERRIAM, C. H. Nesting of the Banded Three-toed Woodpecker (*Picoides americanus*) in Northern New York. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 200.
1878. "WILL." The Woodpecker [*Melanerpes erythrocephalus*] as a Flycatcher. < *Forest and Stream*, ix, Jan. 17, 1878, p. 451.
1879. ALDRICH, C. Habits of the Red-headed Woodpecker [*Melanerpes erythrocephalus*]. < *Am. Nat.*, xiii, No. 8, Aug., 1879, p. 522.
With special reference to the grasshopper-eating proclivities of the bird.
1879. CALVIN, S. On Changes of Habit among Woodpeckers [Picidae]. < *The Oölogist*, iv, No. 11, June, 1879, pp. 91, 92.
From *Am. Nat.*, xi, No. 8, p. 471.
1879. HOYT, B. F. Nesting under Difficulties [in the case of *Colaptes auratus*]. < *Science News*, i, No. 17, July 1, 1879, p. 272.
Interesting note of the finding of "six young flickers (*Colaptes auratus*) in a hole which their parents had dug in the hard dry earth of a perpendicular river bank. This hole was about six inches deep and contained no grass or lining of any kind."
1879. LINDAHL, J. Some New Points in the Construction of the Tongues of Woodpeckers [Picidae]. < *Am. Nat.*, xiii, No. 1, Jan., 1879, pp. 43, 44, fig.
In *Gecinus viridis* the cornua of the hyoid bone extend far into the nasal cavity of the upper mandible. Asymmetry of the hyoid cornua in other species (but this is well known).
1879. MAYNARD, C. J. The Food of Woodpeckers [Picidae]. < *Scientific Farmer* (Boston), iv, No. 4, Apr., 1879, pp. 50, 51, 2 cuts.
The figures illustrate bark bored by *Melanerpes formicivorus* to insert acorns, and the stomach of *Colaptes auratus*.
1879. RAGSDALE, G. H. Lewis Woodpecker [*Asyndesmus torquatus*] in Middle Texas. < *Temperance Vedette* (Terrell, Tex.), Aug. 2, 1879.
1879. RAGSDALE, G. H. Centurus aurifrons. < *Science News*, i, No. 20, Aug. 15, 1879, p. 320.
On its local distribution in Texas.
1879. RAGSDALE, G. H. Centurus aurifrons. < *Temperance Vedette* (newspaper of Terrell, Texas), Sept. 13, 1879.
From *Science News*. On the local distribution of the species in Texas.
1879. RAGSDALE, G. H. Lewis' Woodpecker [*Asyndesmus torquatus*] in Middle Texas. < *Science News*, i, No. 13, May 1, 1879, p. 208.
1879. SMITH, Q. C. Woodpeckers and Road-runners [*Geococcyx californianus*]. < *Temperance Vedette* (newspaper of Terrell, Texas), Nov. 1, 1879.
1879. WINTLE, E. D. Pileated Woodpecker [*Hylotomus pileatus*] in Canada. < *Forest and Stream*, xiii, Jan. 1, 1879, p. 946.

Trochilidæ.

1671. [WINTHROP, J.] A further Account of the Stellar Fish; formerly described in Numb. 57, p. 1153; with the Addition of some other Curiosities. < *Philos. Trans.*, vi, 1671, pp. 2221-2224.
P. 2223, description of nest and eggs of the bird subsequently known as *Trochilus colubris*; nest weighed 24 grains; one egg about 5 grains, the other $3\frac{1}{2}$ grains.
1693. GREW, N. The Description of the American Tomineus, or Humming Bird, communicated by Nehemiah Grew, M. D. and Fellow of the Royal Society. < *Philos. Trans.*, xvii, 1693, pp. 760-761.
Description by Mr. Hamersly, of Coventry; vague and general, but pointing to the bird afterward known as *Trochilus colubris*.
1693. GREW, N. A Query put by Dr. N. Grew, concerning the food of the Humming Bird; occasioned by the Description of it in the Transactions. Numb. 200. < *Philos. Trans.*, xvii, 1693, p. 815.
Whether it be juice of flowers, or small insects. The question was thus opened very early.
1698. BULLIVANT, B. Part of a Letter from Mr. Benjamin Bullivant, at Boston, in New England: to Mr. James Petiver, Apothecary, and Fellow of the Royal Society, in London. Concerning some Natural Observations he had made in those Parts. < *Philos. Trans.*, xx, 1698, pp. 167, 168.
Feeding a "Hum-bird" (*i. e.*, *Trochilus colubris*) in captivity with honey.
1777. ———. Description d'un Oiseau-Monche. < *Obs. et Mém. sur la Phys. (Rozier)*, ix, 1777, pp. 466, 467, fig.
Pas vue moi-même—le titre tiré de Carus and Engelmann.
1778. BADIER, —. Sur la nourriture des Colibris [Trochilidæ]. < *Obs. et Mém. sur la Phys.*, xi, 1778, pp. 32, 33.
Not seen.
1802. AUDEBERT, J. B., and VIEILLLOT, L. P. Histoire | Naturelle | et Générale | des Colibris, | Oiseaux-Monches, | Jacamars et Promerops; | [unt. mut.] | Par J. B. Audebert et L. P. Vieillot. | — | A Paris, | chez Desray, Libraire, Rue Hautefeuille, N° 36. | An XI=1802. | [De l'imprimerie de Crapelet.] gr. folio. 2 vols. Vol. I, 2 p. ll., pp. i-x, 1-128, pll. 1-70; pp. 1-8, pll. 1-6; pp. 1-28, pll. 1-9. Vol. II, 2 p. ll., pp. 1-128, pll. 1-88; pp. 1-40, pll. 1-16.
- Contents of Vol. I.*
- Oiseaux dorés | ou | a reflets métalliques. | — | Tome Premier. | 1 leaf, backed with Crapelet's imprint.
Title-page of Vol. I, as above, 1 leaf, backed blank.
Advertisement, pp. i-viii. List of subscribers, pp. ix, x. Preface, pp. 1-4.
Histoire Naturelle des Colibris et des Oiseaux-Monches, pp. 5-128, pll. 1-70.
Histoire Naturelle | des Jacamars. | Par L. P. Vieillot. | pp. 1-8, pll. 1-6.
Histoire Naturelle | des Promerops. | Par L. P. Vieillot, Naturaliste-Voyageur. | pp. 1-22, pll. 1-9.
Table générale des matières [pour les Colibris, les Jacamars et les Promerops], pp. 23-28.
- Contents of Vol. II.*
- Oiseaux dorés | ou | a reflets métalliques. | — | Tome second. | 1 leaf, backed with Crapelet's imprint.
Title page of Vol. II, as follows: | Histoire Naturelle | et Générale | des Grimpereaux | et | des Oiseaux de Paradis. | Par J. B. Audebert et L. P. Vieillot. | — | A Paris, | chez Desray, Libraire, Rue Hautefeuille, N° 36. | An XI=1802. | 1 leaf, backed blank.
Histoire Naturelle des Grimpereaux Souf-Mangas. pp. 1-68, pll. 1-41.
Histoire Naturelle des Grimpereaux Guit-guits. pp. 69-84, pll. 42-51.
Histoire Naturelle des Grimpereaux Héoro-taires. pp. 85-106, pll. 52-71.

1802. AUDEBERT, J. B., and VIEILLOT, L. P.—Continued.

Histoire Naturelle des Grimpereaux. pp. 107–128, pl. 72–88.

Histoire Naturelle | des | Oiseaux de Paradis. | pp. 1–34, pl. 1–16.

Table générale des matières. pp. 35–40.

The composition of the whole work is not evident at first sight. As consisting of two vols. folio, the general title is simply OISEAUX DORÉS OU À REFLETS MÉTALLIQUES, by Audebert and Vieillot, and such is the preliminary half-title printed on the first leaf of each vol.

But the full title-page of Vol. I is as above given. It includes the Colibris and Oiseaux-Monches (= Trochilidae), by both authors; then the Jacamars (*Galbulidae*) by Vieillot, separately paged and half-titled, plates separately numbered; then the Promerops (*Upupidae*, *Promeropidae*, etc.) by Vieillot, also half-titled, separately paged, and the plates separately numbered. The vol. closes with a table of contents of the whole, continuously paged with Promerops.

Vol. II is still more composite as to the birds treated, but has only two paginations and two numerations of plates. The preliminary title is Oiseaux dorés, etc., as before, Vol. II. The full-page title is as given above under "Contents"; but the "Grimpereaux" of the full title are subdivided by a sort of chapter-headings into "Grimpereaux Soui-Mangas", "Grimpereaux Guit-guits", "Grimpereaux Héoro-taires", and "Grimpereaux"; continuously paged, their plates continuously numbered. Then the "Oiseaux de Paradis" are half-titled, separately paged, and their plates separately numbered. The vol. closes with a table of contents of the whole, continuously paged with Oiseaux de Paradis.

The "Grimpereaux" are a most miscellaneous lot of birds, about equal to the Linnæan *Certhia*; including *Meliphagidae*, *Cærbidae*, *Sylviolidae*, *Dendrocolaptidae*, etc. The Paradise birds are less composite, but still include others than the *Paradisæide* of modern authors.

The work is said to have been published in 32 livraisons, the dates of which are unknown to me. The date above given is that of the title-page of each vol., being the completion of the work. There are said to be actually 192 plates, though the ostensible series is $70 + 6 + 9 + 88 + 16 = 189$. The edition is said to have been of 200 copies. There are said to have been also 100 copies printed on vellum, and 10 copies printed with gold instead of black ink. In the copy examined, in the Libr. Phila. Acad., the names on the plates are all in gold.

Fortunately or otherwise, no scientific nomenclature is used in this luxurious work. It should be used in connection with Vieillot's article "Colibri" in *Nouv. Dict. d'Hist. Nat.*, vii, 1817, which see.

1804. BARTON, B. S. Facts relative to the Food of the Humming-Bird [*Trochilus colubris*]. < *Barton's Med. and Phys. Journ.*, part i, vol. i, 1804, pp. 88, 89.

"— that the *Trochilus* does actually subsist, in part, upon the different species of insects."

1817. V[IEILLOT, L. P.] Colibri, Trochilus, Lath. < *Nouv. Dict. d'Hist. Nat.*, vii, 1817, pp. 340–376, pl. B 38, B 19.

In Audebert and Vieillot's ouvrage de luxe, *Oiseaux dorés ou à reflets métalliques*, which was completed in 1802, no scientific names are given to the Hummers and other glittering birds so beautifully depicted; but in the present article, Vieillot names many species in due form, with references to the plates of the *Ois. dor.*, as follows:—*T. caudatus*, V., p. 347; *T. multicolor*, Lath., p. 347; *T. azar*, V., p. 347; *T. superciliosus*, Lath., p. 347 (pl. 17, 18 of *Ois. Dor.*); *T. fuscus*, V., p. 348; *T. galeritus*, Lath., p. 348; *T. cinereus*, Lath., p. 348 (pl. 5 of *O. D.*); *T. leucurus*, Lath., p. 348; *T. nigricollis*, V., p. 349; *T. fulvifrons*, Lath., p. 349; *T. flavifrons*, Lath., p. 349; *T. grancinæus*, Lath., p. 350 (pl. 4 of *O. D.*); *T. aurentius*, Audeb., p. 350 (pl. 12, 13 of *O. D.*); *T. elegans*, Audeb., p. 351 (pl. 14 of *O. D.*); *T. pectoralis*, Lath., p. 351; *T. paradisæus*, Lath., p. 352; *T. cristatellus*, Lath., p. 352; *T. hirsutus*, p. 352 (pl. 20 of *O. D.*); *T. thau mantias*, Lath., p. 353; *T. mango*, Lath., p. 353 (pl. 7 of *O. D.*); *T. mango*, var., p. 353; *T. quadricolor*, V., p. 353; *T. viridis*, V., p. 354 (pl. 41 of *O. D.*); *T. torquatus*, Lath., p. 354; *T. atricapillus*, V., p. 354; *T. polytmus*, Lath., p. 355 (pl. 47 of *O. D.*); *T. pella*, Lath., p. 355 (pl. 2, 3 of *O. D.*); *T. exilis*, Lath., p. 356; *T. atrigaster*, V., p. 356 (pl. 65 of *O. D.*); *T. punctatus*, Lath., p. 357 (pl. 8 of *O. D.*); *T. viridis*, V. [not *viridis* of p. 354], p. 357 (pl. 15 of *O. D.*); *T. brasiliensis*, Lath., p. 357 (pl. 19 of *O. D.*); *T. holosericeus*, Lath., p. 357 (pl. 6 of *O. D.*); *T. violaceus*, Lath., p. 358; *T. punctulatus*, Lath., p. 358; *T. amethystinus*, Lath., p. 358; *T. albirostris*, V., p. 359 (pl. 45 of *O. D.*); *T. serripostris*, V., p. 359; *T. cinereus*, V., p. 359; *T. mellivorus*, Lath., p. 360 (pl. 22, 23, 24 of *O. D.*); *T. obscurus*, Lath., p. 361; *T. splendidus*, V., p. 361; *T. ourissia*, Lath., p. 361; *T. carbunculus*, Lath., p. 361 (pl. 5 of *O. D.*); *T. caeruleus*, V., p. 361 (pl. 40 of *O. D.*); *T. maculatus*, V., p. 361 (pl. 44 of *O. D.*); *T. ruficollis*, V., p. 362; *T. leucogaster*, Lath., p. 363 (pl. 43 of *O. D.*); *T. mellisugus*, Lath., p. 363 (pl. 39 of *O. D.*); *T. maximus*, Lath., p. 364; *T. ornatus*, Lath., p. 364 (pl. 49 of *O. D.*); *T. cristatus*, Lath., p. 365; *T. pileatus*, Lath., p. 365 (pl. 63 of *O. D.*); *T. latipennis*, Lath., p. 365 (pl. 21 of *O. D.*); *T. longirostris*, V., p. 366 (pl. 59 of *O. D.*); *T. macronotus*, Lath., p. 366; *T. forficatus*, Lath., p. 366 (pl. 60 of *O. D.*); *T. magnificus*, V., p. 367; *T. macronotus*, V., p. 367; *T. mangonus*, V., p. 368 (pl. 37 of *O. D.*); *T. auritus*, Lath., p. 368 (pl. 25, 26 of *O. D.*); *T. minimus*, Lath., p. 369; *T. ruber*, Lath., p. 369; *T. cyanurus*, V., p. 369; *T. glaucopsis*,

1817. V[IEILLEOT], L. P.—Continued.

Lath., p. 370: *T. ruficaudatus*, V., p. 370 (pl. 27, 28 of *O. D.*); *T. platycrus*, Lath., p. 370 (pl. 28 of *O. D.*); *T. colubris*, Lath., p. 371 (pl. 31, 32, 33 of *O. D.*); *T. rubineus*, Lath., p. 371: *T. moschitus*, Lath., p. 372 (pl. 55 of *O. D.*); *T. saphirinus*, Lath., p. 373 (pl. 35, 57, 58 of *O. D.*); *T. bicolor*, Lath., p. 373 (pl. 36 of *O. D.*); *T. collaris*, Lath., p. 374 (pl. 61, 62 of *O. D.*); *T. leucocrotaphus*, V., p. 374; *T. cyanocephalus*, Lath., p. 375; *T. viridissimus*, var., p. 375 (pl. 19 of *O. D.*); *T. guianensis*, Lath., p. 375; *T. furcatus*, Lath., p. 376 (pl. 34 of *O. D.*). The article acquires consequence from thus furnishing a technical nomenclature to the *Oiseaux Dorez*. Most, if not all, of the species marked "V." are technically new. Many of the rest, attributed to Latham, are really Gmelinian, Linnean, or other names.—See 1892, AUDUBERT and VIEILLEOT.

1822. MAXIMILIAN. — Ueber die Nahrung der Fliegenvögel (Trochilus) [Trochilidæ]. < *Oken's Isis*, Jahrg. vi, 1822, pp. 470-472.1824. BULLOCK, [W.] Ueber Colibris. < *Fror. Notiz.*, ix, No. 183, 1824, pp. 190-194.

Nicht mir selbst zugänglich—Titel aus C. u. E. *Bibl.* Aus dessen „Six Months' Residence in Mexico“ (London, 1824).

1824. WILSON. — Note sur l'anatomie de l'Oiseau-mouche. < *Bull. Sc. Médic.*, —, 1824, pp. 9- —.

Not seen—title from Giebel.

1827. VOGT, —. W. Bullock über die Colibri's. (Aus dessen: Six Month's Residence in Mexico etc. London 1824.) < *Ornis*, Heft iii, 1827, pp. 98-111.1828. [LESSON, R. P.] Histoire Naturelle des Oiseaux-Mouches; par R. P. Lesson. . . . < *Féruss. Bull.*, 2^e sect., xv, 1828, pp. 303, 304.

Extrait du Prospectus de cet ouvrage.

1828. RENNIE, J. Nahrung des Colibri. < *Fror. Notiz.*, xxiii, No. 488, 1828, p. 54.

Nicht mir selbst zugänglich—Titel aus Carns u. Engelmann.

1829. ANON. Histoire naturelle des oiseaux mouches, par Lesson. Paris chez A. Bertrand. 29, gr. 8; libr. 1, 2; pl. illum. < *Oken's Isis*, Bd. xxii, 1829, p. 7-5.1829. ANON. Histoire naturelle des Oiseaux-Mouches; par M. R. P. Lesson. . . . < *Féruss. Bull.*, 2^e sect., xvii, 1829, pp. 123, 124.1829. ANON. Histoire naturelle des Oiseaux-Mouches; par R. P. Lesson, . . . < *Féruss. Bull.*, 2^e sect., xvi, 1829, pp. 281, 282.1829. ANON. Histoire naturelle des Oiseaux-Mouches; par R. P. Lesson. . . . < *Féruss. Bull.*, 2^e sect., xix, 1829, pp. 352, 353.1829. ANON. Histoire naturelle des Oiseaux-Mouches, etc.; par M. R. P. Lesson, . . . < *Féruss. Bull.*, 2^e sect., xvi, 1829, pp. 462, 463.

This and the four preceding anonymous titles of similar character are simply notices of the livraisons of the work as they successively appeared; some of them are signed "D."

1829. LESSON, R. P. Histoire Naturelle | des | Oiseaux-Mouches, | ouvrage orné de planches | dessinées et gravées par les meilleurs artistes, | et dédié | A S. A. R. Mademoiselle; | Par R. P. Lesson, | [etc., 8 lignes. | [Quotation.] | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde du capitaine DuRoi, | Rue Hautefeuille, N^o 23. | No date. (1829.) 8vo. pp. i-xlvj, 1-223; pl. color. 1-85. + 48 bis (86 plates in all).

Published in 17 livraisons, beginning Jan. 1829; and ending Sept., 1829. This is the original series of Lesson's illustrations of Humming-birds, from which the two succeeding ones and Index Général are to be carefully distinguished. pp. i-xlvj, title, dedication, advertisement (latter dated 10 janvier 1829), and tableau des espèces décrites et figurées dans cette histoire naturelle (mai 1829): 1-223, the regular text; to this belongs the original series of 1-85 (86) plates. This set of plates and accompanying text is citable as one work under the above title, commonly called "Oiseaux-Mouches." The work is found bound in 1 vol., text and plates; or in 2 vols., one of letter-press, the other of plates; or text bound with that of Lesson's two other series of Hummers, the "Colibris" and the "Trochilidées." The plates are either plain or colored; or both, in duplicate sets. Compare the other titles given beyond, at 1830-31, and 1832, same author.

The *Trochilidæ* figured and described in this work are:—Plate 1. *Ornismya petasophora*, p. 37. 2. *O. superba*, p. 40. 3. *O. tristis*, p. 43. 4. *O. rivoli*, p. 48. 5. *O. cyanopogon*, p. 50. 6. *O. cora*, p. 52. 7, 8. *O. chrysolopha*, p. 55. 9. *O. arsenii*, p. 60. 10, 11. *O. aurita*, p. 63. 12, 13,

1829. LESSON, R. P.—Continued.

O. amazili, p. 67. 14. *O. sephaniodes*, p. 69. 15. *O. heteropygia*, p. 72. 16. *O. nattererii*, p. 75. 17. *O. cephalatra*, p. 78. 18. *O. furcata*, p. 82. 19. *O. vesper*, p. 85. 20. *O. temminckii*, p. 83. 21. 22. *O. mellivora*, p. 90. 23, 24. *O. delalandi*, p. 95. 25. *O. hirundinacea*, p. 98. 26. *O. langsdorffii*, p. 102. 27, 28. *O. sapho*, p. 205. 29, 30. *O. mesoleuca*, p. 110. 31, 32. *O. cristata*, p. 113. 33. *O. simplex*, p. 119. 34. *O. simplex*, p. 121. 35. *Campylopterus ensipennis*, p. 124. 36. *Trochilus falcatus*, p. 126. 37. *T. recurvirostris*, p. 129. 38, 39. *T. lugubris*, p. 132. 40. *Ornismya platara*, p. 136. 41. *O. ornata*, p. 139. 42, 43. *O. strumaria*, p. 143. 44, 45, 46. *O. rubinea*, p. 146. 47. *O. amethystina*, 48, 48 bis. *O. colubris*, p. 151. 49, 50. *O. bicolor*, p. 161. 51. *O. audeberti*, p. 164. 52, 53, 54. *O. moschita*, p. 166. 55, 56, 57. *O. sapphirina*, p. 172. 58, 59. *O. glaucopsis*, p. 175. 60. *O. viridis*, p. 178. 61. *O. erythronotos*, p. 181. 62. *O. tephrocephalus*, p. 182. 63. *O. albicollis*, p. 184. 64. *O. rieilloti*, p. 186. 65. *O. prasina*, p. 188. 66, 67. *O. sasin*, p. 190. 68, 69. *O. maugei*, p. 194. 70. *O. swainsonii*, p. 197. 71. *O. cyanea*, p. 199. 72. *Trochilus multicolor*, p. 201. 73. *Ornismya wagleri*, p. 203. 74. *O. anna*, p. 205. 75. *O. viridissima*, p. 207. 76. *O. albiventriss*, p. 209. 77. *O. brevirostris*, p. 211. 78. *O. albirostris*, p. 212. 79. *O. minima*, p. 213. 80. *O. clementiae*, p. 216. 81. generic characters. 82, 83, 84, 85. nests. The Tableau des espèces records 58 spp., all under "*Ornismya*," nob., p. x, but rearranged under the "tribes" *Cyananthus* Sw., p. xj; *Phaethornis* Sw., p. xvij; *Platurus*, nob., p. xxij; *Lamproornis* Sw., p. xxij; *Lophornis*, nob., p. xxvij; *Campylopterus* Sw.: to which 58 spp. there are added (Sept., 1829) *O. clementiae*, which was figured pl. 80, but omitted from the Tableau, and *O. cyanocephalus*, nob., p. xlv. Nearly all these species are described as if new—Lesson even giving them new specific names when he quotes older ones, a common practice with this author.

1829. LYON, Capt. Extraet of a Letter from Capt. Lyon, R. N., Corr. Memb. Z. S., &c., to a Friend in England, dated Gongo Soco, Brazil, 17th March, 1829. < Zool. Journ., v, 1829, pp. 1, 2, figs. 1, 2.

Relating to the nidification of a species of Humming-bird, which increased the capacity of the nest with the growth of the young.

1829. RENNIE, J. Food of the Humming bird. < London's Mag. Nat. Hist., i, 1829, pp. 371, 372.

1830. ANON. Histoire naturelle des Oiseaux Monches; par R. P. Lesson . . . < Fé-russ. Bull., 2^e sect., xxi, 1830, pp. 142 and 320.1830. [LESSON, R. P.] Histoire naturelle des Colibris, suivie d'un supplément à l'Histoire naturelle des Oiseaux-Monches; par R. P. Lesson. . . . < Fé-russ. Bull., 2^e sect., xxii, 1830, pp. 323-325.

Prospectus.

1830-31. LESSON, R. P. Histoire Naturelle | des Colibris, | suivie | d'un supplément | à l'histoire naturelle | des | Oiseaux-Monches; | ouvrage orné de planches | dessinées et gravées par les meilleurs artistes, | et dédié | A M. le Baron Cuvier. | Par R. P. Lesson. | [Quotation, 9 lignes.] | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde du capitaine Duperrey, | Rue Hantefenille, N° 23. | No date. (1830-31.) 8vo. pp. i-x, 1-196; pll. 1-25, 12 bis, 13 bis (Colibris), 1-39 (Suppl. Ois.-Monches) = 66 plates in all.

Published in 13 livraisons, monthly or thereabouts, each of 5 or 6 plates and accompanying letter-press, beginning Oct., 1830, and ending Dec., 1831. This is the second series of Lesson's Hummers, consisting of "Colibris" and "Supplément Oiseaux-Monches," the two portions of this work being continuously paged, but the two sets of plates being separately enumerated: pp. i-x, title, dedication, and preface; pp. 1-90, text of Colibris; pp. 91-192, text of Suppl. Ois.-Monch.; pp. 193-196, Indexes to each; pll. 1-25, 12 bis, 13 bis, for Colibris, pll. 1-39 for Suppl. Ois.-Monches. The text of this work is citable as "Col. et Suppl. Ois.-Monch.," but in citing the plates, it must be specified which series is meant. Compare same author at 1829 and 1832.

The following are figured and described in "Colibris:—Pl. 1, *Ramphodon* (g. n.) *maculatum*, p. 18. 2, 3, 4, 5. *Trochilus pella*, pp. 21, 27, 31, 33. 6, 7. *T. superciliosus*, pp. 35, 38. 8. *T. squalidus*, p. 40. 9. *T. rufigaster*, p. 43. 10. *T. auratus*, p. 46. 11. *T. viridis*, p. 50. 12, 12 bis, *T. gramineus*, pp. 52, 56. 13, 13 bis, 14. *T. mango*, pp. 58, 62, 64. 15. *T. nitidus*, p. 66. 16, 17, 18, 19. *T. aurulentus*, pp. 68, 71, 73, 74. 20. *T. holosericeus*, p. 76. 21. *T. hirsutus*. 22. *T. leucurus*. 23. *T. simplex*, p. 86. 24. *T. prevostii*, p. 87. 25. Détails anatomiques et caractères des Colibris.

In the "Suppl. Ois.-Monches" are described and figured the following:—Pl. 1, *Ornismya dupontii*, p. 100. 2. *O. audeneti*, p. 102. 3. *O. anais*, p. 104. 4. *O. chrysur*, p. 107. 5. *O. sephanioides*, p. 109. 6. *O. simplex*, p. 111. 7. *O. anna*. 8. *O. clementiae*, p. 115. 9, 10. *O. cyano-pogon*, pp. 117, 119. 11, 12, 13. *O. sasin*, pp. 121, 123, 124. 14. *O. tricolor*, p. 125. 15. *O. pampa*,

1830-31. LESSON, R. P.—Continued.

p. 127. 16, *O. longsdorffii*, p. 129. 17, 18, *O. cyanocephala*, pp. 132, 134. 19, *O. delalandii*, p. 136. 20, 21, 22, *O. amethystina*, pp. 138, 141, 142. 23, *O. cyanea*, p. 143. 24, *O. avocetta*, p. 145. 25, *O. eriphile*, p. 148. 26, *O. wiedii*, p. 150. 27, *O. arsennii*, p. 152. 28, 29, *O. arsenoe*, pp. 154, 156. 30, *O. oenone*, p. 157. 31, *O. platyrus*, p. 159. 32, *O. chrysolopha*, p. 162. 33, *O. superba*, p. 164. 34, *O. recurvirostris*, p. 166. 35, *O. nana*, p. 169. 36, *O. dumerilii*, p. 172. 37, 38, *O. caniceti*, pp. 174, 177. 39, *O. hirundinacea*, p. 179.

1830. LODDIGES, [G.] [Cephallepis, g. n.] < *P. Z. S.*, i, 1830, p. 12.

1830. SCHIEDE, — and DEPPE, —. Humming Bird and Insects at a great height on the Volcano of Orizaba. < *Edinb. New Philos. Journ.*, viii, 1830, pp. 203, 204.

1830. VIGORS, N. A. [Characters of a New Species of Humming-bird, *Trochilus loddigesii* Gould.] < *P. Z. S.*, i, 1830, p. 12.

1831. ANON. Histoire naturelle des Oiseaux-Mouches, par R. P. Lesson. . . . < *Fé-russ. Bull.*, 2^e sect., xxiv, 1831, pp. 200-202.

This is simply one of the many notices of Lesson's works on Hummers which appeared in this Bulletin during the progress of the publication.

1831. ANON. Histoire naturelle des Colibris. . . . ; par R. P. Lesson. . . . < *Fé-russ. Bull.*, 2^e sect., xxiv, 1831, p. 202.

1831. ANON. Histoire naturelle des Colibris, . . . ; par R. P. Lesson. . . . < *Fé-russ. Bull.*, 2^e sect., xxv, 1831, pp. 118, 119.

1831. ANON. Les Trochilidées ou les Colibris, et les Oiseaux-Mouches; par R.-P. Lesson. . . . < *Fé-russ. Bull.*, 2^e sect., xxvi, 1831, pp. 77-79.
Prospectus.

1831. LYON, Capt. [Ueber das Nest der Colibri.] < *Oken's Isis*, Bd. xxiv, 1831, p. 714.
Auszug aus den *Zool. Journ.*, Bd. v, No. xvii, 1829, pp. 1, 2.

1831. VIGORS, N. A. [Remarks on exhibition of several species of Humming-birds.] < *Philos. Mag.*, ix, 1831, p. 62.

From *P. Z. S.*, i, Dec. 14, 1830, p. 12, q. v. for an n. sp.

1832. LESSON, R. P. Les | Trochilidées | ou | les Colibris | et | les Oiseaux-Mouches. | suivis d'un Index Général, | dans lequel sont décrites et classées méthodiquement toutes les races | et espèces du genre *Trochilus*. | Ouvrage orné de planches | dessinées et gravées par les meilleurs artistes, | par R. P. Lesson. | Splendet ut sol. | Maregrave. | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde par le Capitaine Duperrey, | rue Haute-feuille, n° 23. | No date. (1832.) 8vo. pp. i-iv, 1-171, i-xliij (Index Général), pll. 1-66.

The Index separately titled as well as paged, thus: Index | Général et Synoptique des oiseaux | du | Genre *Trochilus*, | Par R. P. Lesson. | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde par le capitaine Duperrey, | rue Hautefeuille, n° 23. | — | M DCCC XXXII. 8vo. pp. i-xliij.

Published in 137 livraisons, monthly or thereabouts, each of 5 plates and accompanying letter-press. The "Colibris" was finished in Dec., 1831, and the preface to the "Trochilidées" is dated 1831; but probably nothing appeared until 1832, which latter is the date of completion of the work, on the title of the Index Général. Compare same author, at 1829 and 1830-31.

In this, the third and last series of Lesson's Hummers, are described and figured:—Plate 1, *O. colubris*, p. 1. 2, *Troch. longuemareus*, p. 15. 3, *T. mazepa*, p. 18. 4, *O. cristata*, p. 20. 5, *T. buffonii*, p. 31. 6, *O. vesper*, p. 33. 7, *O. viridissima*, p. 35. 8, 9, 10, 11, *O. vieillotii*, pp. 37, 41, 44, 46. 12, *O. petasophora*, p. 48. 13, *T. darvidianus*, p. 50. 14, *O. sapphirina*, p. 53. 15, *O. moschita*, p. 55. 16, 17, *O. bicolor*, pp. 58, 60. 18, *T. bourcierii*, p. 62. 19, *T. intermedius*, p. 65. 20, 21, *T. pella*, pp. 68, 70. 22, *O. cyanea*, p. 72. 23, *O. avocetta*, p. 74. 24, *O. ornata*, p. 77. 25, 26, 27, *O. amethystoides*, pp. 79, 81, 83. 28, 29, *O. orthura*, pp. 85, 88. 30, nid de l'oiseau-mouche Améthyste, avec son œuf, p. 90. 31, *T. eurynome*, p. 91. 32, *O. albiventer*, p. 94. 33, *O. viridis*, p. 96. 34, *O. superba*, p. 99. 35, *O. longsdorffii*, p. 101. 36, *O. gouldii*, p. 103. 37, *O. underwoodii*, p. 105. 38, *O. kingii*, p. 107. 39, 40, *O. cora*, pp. 109, 111. 41, *O. delalandii*, p. 113. 42, *O. atala*, p. 115. 43, *O. sasin*, p. 117. 44, *O. gery*, p. 119. 45, *O. mesoleuca*, p. 122. 46, 47, *T. eusipennis*, pp. 124, 127. 48, *O. vesper*, p. 129. 49, *O. sapho*, p. 131. 50, *T. stokesii*, p. 135. 51, *T. loddigesii*, p. 138. 52, *O. amethystina*, p. 140. 53, *O. coeligena*, p. 141. 54, *O.*

1832. LESSON, R. P.—Continued.

viridis, p. 144. 55, 56, *Ramphodon anais*, pp. 146, 148. 57, *Ornismya' anais*, p. 151. 58, *O. cristata* (nidl), p. 153. 59, *O. petasophora*, p. 154. 60, *O. tricolor*, p. 156. 61, *O. nattererii*, p. 158. 62, *T. longuemareus*, p. 160. 63, 64, *O. montana*, pp. 161, 163. 65, *O. kieneri*, p. 165. 66, *O. swainsonii*, p. 167.

In the Index Général, 1832, the 110 spp. treated in all three of Lesson's series of Hummers are rearranged systematically, according to the author's classification, in 27 "races" and sundry "tribes," with short characters and synonymy. *Lesbia* Less., p. xvij; *Coligena* Less., p. xvij.

These three books may be found bound in different ways: generally, with text of all three together, and plates in three separate vols. Index Général belongs to "Trochilidées," as per title of the latter, but is separately titled and paged. There are in the whole series 86+66+66=218 plates, but only about 110 species are treated. There are both plain and colored issues of the plates—both together, in the copy examined.

These three books are hard to get the hang of; the titles are so curiously mixed up that there is endless confusion in citing them, especially at second-hand. The three separate series are perfectly distinct works, bibliographically speaking, yet represent a single monograph of the Hummers, with titles enough alike to be confusing, yet not different enough to be distinctive until they are studied out. The following summary may therefore be useful:

LESS., "*Ois.-Mouch.*," pp. i-xiv, 1-233, pll. 1-48, 48 bis., 49-85 (86 plates). Date, 1829.

LESS., "*Colibris et Suppl. Ois.-Mouch.*," pp. i-x, 1-196 (*Colibris*, pp. 1-90; *Suppl. O.-M.*, pp. 91-192). *Colibris*, pll. 1-12, 12 bis, 13 bis, 14-25. *Suppl. O.-M.*, pll. 1-39 (66 plates in the two series). Date, 1830-31.

LESS., "*Trochilidées*," pp. i-iv, 1-171, pll. 1-66. Date, 1832.

Index Général, pp. i-xlij, no plates. Date, 1832.

Lesson's work on the Hummers is notable as one of the earliest extensive monographies of this extraordinary family of birds, being only preceded by that of Audubert and Vieillot. It treats, however, of only about one-third of the species now known, and its claims as a contribution to science are not of the highest. The plates are finely finished, being good work of this French kind, and when colored become very pretty pictures; but the technique of the work, as already hinted, is of moderate merit. Many new species and several new genera are named, and various species are renamed even when the author knew and cited their prior designations—a reprehensible habit which Lesson not seldom indulged.

It appears from *Rev. Zool.*, iii, 1840, p. 71, that Lesson intended to publish a fourth vol.; but it remained ined.

1832. LODDIGES, G. [Characters of Four New Species of Humming-birds from Popayan, in the Collection of John Gould.] < *P. Z. S.*, ii, 1832, pp. 6, 7.

Trochilus turianthus, p. 6; *T. eurypterus*, *T. flavescens*, *T. gouldii*, p. 7.

1832. LODDIGES, G. [Exhibition and characters of several Humming Birds from Popayan.] < *Philos. Mag.*, xi, 1832, p. 461.

From *P. Z. S.*, Jan. 10, 1832, pp. 6, 7, q. v.

1832. WATERTON, C. Humming-birds. < *London's Mag. Nat. Hist.*, v, 1832, pp. 473-476.

Miscellaneous notes of habits.

1832. WATERTON, C. The Green Humming-bird. < *London's Mag. Nat. Hist.*, v, 1832, pp. 675, 676.1832. WHITE, A. Ueber Colibris. < *Fror. Notiz.*, xxxv, No. 750, 1832, pp. 20-23.

Nicht mir selbst zugänglich—Titel aus Car. und Eng.

1833. JARDINE, W. The [Naturalists' Library. | Ornithology. | Vol. I [II]. | Humming-Birds. | By | Sir William Jardine, Bart. | F. R. S. E. F. L. S. &c. &c. | Edinburgh: | W. H. Lizars, and Sterling and Kenney; | Longman, Rees, Orme, Brown, Green, and | Longman, London; | and W. Curry, Jun. and Co. Dublin. | — | 1833. 2 vols. 16 mo. Vol. I: a green half-cover-title, 1 leaf; a notice, 1 leaf; advts., pp. 1-6; half-title, 1 leaf; portrait of Linnaeus; engr. col'd title, backed blank; full title as above, backed with W. Ballantyne & Co.'s imprint; contents, pp. i-iii; blank, p. iv; advt., pp. 1-10; half-title to memoir of Linnaeus, pp. 11, 12; memoir of Linnaeus, pp. 13-48; regular text of Humming-birds, pp. 49-147, with pll. col'd 1-34; advts., pp. 1-32 and pp. 1-8. Vol. II, not handled by me.

1833. JARDINE, W.—Continued.

"The Naturalists' Library," which reached about 40 vols. through several years, was started in 1833 with Jardine's "Humming-Birds," in 2 vols. The above is the full title and collation of the original issue, in cheap binding and loaded with advts., differing materially from the later reissue, when the many vols. were systematically rearranged, Mammals first, then Birds, &c. In the final rearrangement, these two Humming-Bird vols. become "Humming-Birds.—Part I [II]," and form Vols. VI, VII. The main text, and the plates, are identical in any issues; but the titles and the furnishings differ. (Compare next title.)

"The Naturalists' Library" was a publisher's enterprise; but the weight of the editor's name, the excellence of the text, and the beauty of the plates, rendered it a very notable work, of no less scientific merit than popular interest and usefulness.

1833. JARDINE, W. The | Naturalist's Library. | Edited by | Sir William Jardine, Bart., | F. R. S. E., F. L. S., etc., etc., | Vol. VI [VII]. | — | Ornithology. | Humming Birds.—Part I [II]. | By the Editor. | — | Edinburgh: | W. H. Lizars, [etc.] n. d. [1833.] 2 vols. 16mo. Vol. VI: portrait of Linnaeus; eng. col'd title; other title; contents, 2 leaves; pp. i-xxxii, 25-191, cuts, pll. col'd 1-34. Vol. VII: portrait of Pennant; eng. col'd title; other title; contents, 2 leaves; pp. 1-192, cuts, pll. col'd, 1-30.

Being Vols. I, II, of the original issue. The date here given is that of the original issue; I do not know exactly when the reissue was made. On the systematic rearrangement of the many vols. of the series, the Hummers, originally Vols. I and II, became "Humming-Birds, Part I [II]," and then formed Vols. VI, VII, of the rearranged series. (Compare last title.)

These two vols. contain memoirs of Linnaeus (Vol. VI) and of Pennant (Vol. VII), and otherwise consist of a monograph of *Trochilidæ*; the text by Jardine, the illustrations by Lizars.

Vol. VI: *Ramphodon neriis*, pl. 1; *Truch. arosetta*, pl. 2; *T. recurvirostris*, pl. 3; *T. rufigaster*, pl. 4; *T. colubris*, pl. 5; *T. aana*, pl. 6; *T. cyaneus*, pl. 7; *T. prasina*, pl. 8; *T. quadricolor*, pl. 9; *T. delalandii*, pl. 10; *T. moschitos*, pl. 11; *T. sephanioides*, pl. 12; *T. petasophorus*, pl. 13; *T. scutatus*, pl. 14; *T. ornatus*, pls. 15, 16; *T. audenoti*, pl. 17; *T. chalybeus*, pl. 18; *T. magnificus*, pls. 19, 20; *T. cornutus*, pls. 21, 22; *T. furcatus*, pl. 23; *T. vesper*, pl. 24; *T. cora*, pl. 25; *T. dupontii*, pl. 26; *T. eucirius*, pl. 27; *T. saphirius*, pl. 28; *T. leucotis*, pl. 29; *T. mellivorus*, pl. 30; *T. multicolor*, pl. 31; *T. gramineus*, pls. 32, 33; *T. latipennis*, pl. 34 (name *Campylopterus latipennis* on pl.).

Vol. VIII: *T. thalassinus*, pls. 1, 2 (*T. auris* on pl.); *T. gigas*, pl. 3; *T. coelestina*, pl. 4; *T. stokessii*, pl. 5; *T. loddigesii*, pl. 6; *T. delalandii*, ♀, pl. 7; *T. orthura*, pl. 8; *T. amethystoides*, pl. 9 (*T. amethystina* on pl.); *TT. rubineus montana*, no pl.; *T. langsdorffii*, pl. 10; *T. rufus*, pl. 11; *T. gouldii*, pl. 12; *T. tricolor*, pl. 13; *T. lucifer*, pl. 14 (*T. cyanopogon* on pl.); *T. petasophorus*, pl. 15; *T. wagleri*, pl. 16; *TT. bicolor*, *maugeri*, *glaucoptis*, *coruleus*, *swainsonii*, *erythronotus*, *cyanogenys*, *atala*, no pl.; *TT. scutinosus*, *albicollis*, *superbus*, no pl.; *T. rivoli*, pl. 18; *T. buffonii*, pl. 19; *T. mango*, pl. 20; *TT. viridis*, *holosericeus*, *leucurus*, *aurulentus*, *hypophæus*, no pl.; *T. polytus*, pl. 21; *T. underwoodii*, pl. 22; *T. sparganius*, pl. 23; *T. auna*, no pl.; *T. pella*, pls. 24, 25; *T. superciliosus*, pls. 26, 27; *T. euryome*, pl. 28; *T. guy*, *T. intermedius*, *bourcieri*, *squalidus*, *longuemareus*, *rufigaster*, *dauidianus*, no pl.; *T. hirsutus*, pl. 29; *T. maseppa*, no pl.; *T. swainsoni*, pl. 30. The synopsis, which follows, is briefly synonymatic and descriptive, adopting Swainson's five subfamilies. This series of illustrations, coming after Lesson's works on the same subject, furnish a valuable check on the species so indiscriminately described as new by the latter, to the great prejudice of others, especially Vieillot.

1833. LA LLAVE, P. DE. [Memoria sobre algunas especies nuevas del género *Trochilus*.] < *Registro Trimestre*, vol. ii = núm. 5, Enero de 1833, pp. 39-50.

T. cohuatl, p. 47; *T. xicotencal*, p. 48; *T. tzacatl*, p. 48; *T. papantzin*, p. 48; *T. topiltzin*, p. 49.

This article has no title, and appears to be little known. I commend it to notice, as containing descriptions of five new Hummers, the names of which, given in due Linnaean form, doubtless antedate others now in general employ.

1833. SCHREIBERS, C. v. [Neue Arten von *Trochilus*.] < *Oken's Isis*, Bd. xxxvi, 1833, pp. 534, 535.

„Regierungs-Rath von Schreibers aus Wien legte eine Probe des von ihm beabsichtigten, gemeinschaftlich mit den österreichischen Naturforschern herausgegebenen Werkes vor, worin die von den Oesterreichern in Brasilien neu entdeckten Thiere beschrieben und abgebildet werden sollen. Dieselbe besteht in dem ersten Hefte des ornithologischen Theiles, welcher die Beschreibung und Abbildung zweyer neuer *Trochilus*-Arten enthält, die er dem Könige und der Königin von Ungarn zu Ehren *Trochilus regis* und *Trochilus reginae* nennt, und führt den Titel: *Collectanea ad faunam Brasiliæ*.“

1833. SCHREIBERS, C. V. Caroli a Schreibers | Museorum Regio-Caesareo-Aulicorum ex Hist. Nat. Praefecti etc., | Collectanea | ad | Faunam Brasiliae. | — | Nova Genera et Species animalium, | a naturae scrutatoribus Caes. Austriacis in Brasilia collectorum. | descripta et iconibus illustrata. | — | Fasciculus I. | — | Viennae. | Impensis Editoris. | 1833. Folio. Cover-title, other title, pp. 1-4, pl. 1.

No more published.—The above is the cover-title of the publication as a whole, of which the present piece is Fasciculus I. To this there is special title as follows: Collectanea | ad Ornithologiam Brasiliae. | — | Beyträge zur Vögelkunde Brasiliens. | — | Neue Arten von Blumenspechten, Colibri; | beschrieben | von | Karl von Schreibers. | — | Wien. | Auf Kosten des Herausgebers. | MDCCCXXXIII. [Gedruckt bey Anton Strauss's sel. Witwe.]

The 4 pages of text are devoted to the description of two new species of *Trochilidae*, viz: *T. regis*, p. 1, pl. 1, f. 1 and 1 a: and *T. reginae*, p. 3, pl. i, f. 2. Besides these, the Plate gives—fig. a, *T. ornatus*; f. b., *T. magnificus*; f. c., *T. strumarius*.

There is no other ornithological matter. Cf. *Isis*, 1833, pp. 534, 535.

1834. BARNES, Mrs. —. [Note on the rearing of a species of Humming-bird (*Mellisuga humilis*!)] < *P. Z. S.*, ii, 1834, p. 33.
1834. GUILDING, L. Facts on Humming-Birds, their Food, the Manner in which they take it, and on their Habits; with Directions for preserving the Eggs of Humming-Birds, and the Forms of the Bodies of Spiders, and Pupæ and Larvæ of Insects. < *London's Mag. Nat. Hist.*, vii, 1834, pp. 569-573.
1834. VIGORS, N. A. [*Trochilus loddigesii*.] < *Oken's Isis*, Bd. xxvii, 1834, p. 814.
Auszug aus *Philos. Mag.*, ix, 1831, p. 62.
1835. BARNES, [Mrs. —.] [*Colibri* aus Jamaica.] < *Oken's Isis*, Bd. xxviii, 1835, p. 1026.
Auszug aus den *P. Z. S.*, ii, 1834, p. 33.
1835. GERVAIS, [P.] Oiseaux-mouches. Ornismya. Less. < *Guér. Mag. de Zool.*, 5^e année, 1835, class ii, notices xli, xlii, pl. xli, xlii.
O. ricordii Gerv., pl. xli, xlii, n. sp.
1835. GERVAIS, [P.] Oiseau-mouche. Ornismya. *O. cinnamomon*. *O. cinnamomeus*. Gervais. < *Guér. Mag. de Zool.*, 5^e année, 1835, classe ii, notice xliii, pl. xliii.
1835. GUILDING, L. Ueber die Nahrung des Colibris. < *Fror. Notiz.*, xliii, No. 930, 1835, pp. 71, 72.
Nicht mir selbst zugänglich. Titel aus Carus und Englm. Aus dessen „Facts on Humming-Birds,“ n. s. w., in *London's Mag. Nat. Hist.*, vii, 1834, pp. 569-573.
1835. LODDIGES, G. [Vier Arten der Trochilidae.] < *Oken's Isis*, Bd. xxviii, 1835, pp. 367, 368.
Auszug aus den *P. Z. S.*, ii, 1832, pp. 6, 7, q. v.

1837. AXON. Lesson's Werke über die Colibri. < *Oken's Isis*, Bd. xxx, 1837, p. 94.
1837. CHAMBERS, R. [On the Habits and Geographical Distribution of Humming-Birds.] < *P. Z. S.*, v, 1837, p. 37.
Merely a note of a paper read.

1837. CHAMBERS, R. Observations on the Humming-Bird. < *Charlesw. Mag. Nat. Hist.*, i, 1837, pp. 592-596, fig. 70. (Auch in: *Froriep's Notizen*, iv, No. 84, 1837, pp. 289-292.)

“These remarks are only those of an ardent admirer of nature, not of an ornithologist.”

1838. GEOFFROY SAINT-HILAIRE, [ISID.] Note sur l'ostéologie des Oiseaux-Mouches, envoyée de Liège. < *Compt. Rend. de l'Acad. Sci.*, vi, 1838, pp. 880-883.

1^o. Unité de plan et modifications dans les détails de l'appareil hyoïdien.—2^o. Unité de plan et modifications dans les détails de l'appareil sternal chez les Oiseaux-mouches, et les grands voiliers, les Frégates.

1838. GEOFFROY SAINT-HILAIRE, [ISID.] [Note sur l'ostéologie des Oiseaux-mouches.] < *Revue Zoologique*, i, 1838, p. 99.

Extrait des *Comptes Rend. à l'Acad. Sci. Paris*, vi, 1838, pp. 880-883, q. v.

1842. BOURCIER, J. Description de trois espèces nouvelles d'Oiseaux-mouches. < *Revue Zoologique*, v, 1842, pp. 373, 374.
Ornismya aline, *O. julie*, *O. mulsant*, p. 373.
1842. DUBUS DE GHISIGNIES, V. B. Diagnoses spécifiques de trois espèces nouvelles d'Oiseaux-Mouches de la Colombie. < *Bull. Acad. Bruxelles*, ix, i, 1842, pp. 524-526.
 Pas vues moi-même—le titre est tiré Carus et Engelmann.
1842. LONGUEMARE, G. DE. G. Oiseau-mouche. Ornismia. Cuvier. O. M. Clarisse. O. Clarisse. De Longuemare. < *Guér. Mag. de Zool.*, 2^e sér., année 1839, Oiseaux, pp. 1, 2, pl. 26.
 Descr. orig. *Rev. Zool.*, 1841, p. 306.
1843. BOURCIER, [J.] Description de deux nouvelles espèces d'Oiseaux-Mouches de Colombie. < *Revue Zoologique*, vi, 1843, p. 2.
Ornismya colombica, *O. poortmani*.
1843. BOURCIER, [J.] Oiseaux Mouches nouveaux ou mal connus. < *Revue Zoologique*, vi, 1843, pp. 70-73.
Trochilus prunellei, p. 70; *T. cupripennis*, *T. anthophilus*, p. 71; *T. guimeti*, *T. guérini*, *T. barroti*, p. 72.
1843. BOURCIER, J. Oiseaux-mouches nouveaux. < *Revue Zoologique*, vi, 1843, pp. 99-104.
Trochilus prevostii, p. 99; *T. cyanifrons*, *T. goudoti*, p. 100; *T. chrysogaster*, *T. cyanotus*, *T. goffroyi*, p. 101; *T. leadbeateri*, p. 102; *T. fallax*, *T. riefferi*, *T. viridigaster*, p. 103.
1843. BOURCIER, J. Descriptions de quelques espèces nouvelles d'Oiseaux-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, vi, 1843, pp. 36-49, 6 pl.
 Pas vues moi-même—le titre tiré de Carus et Engelmann.
1843. BOURCIER, J., and MULSANT, E. Descriptions et figures de plusieurs espèces nouvelles d'Oiseaux-mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, vi, 1843, pp. 36-49.
 Pas vues moi-même—le titre ci-dessus tiré du *Roy. Soc. Cat.*
1843. LATRE, [A.] DE. Description d'un Oiseau-Mouche nouveau, Ornismya Helenae. < *Revue Zoologique*, vi, 1843, p. 133.
 L'Écho du monde savant.
1843. LODDIGES, G. [On some Species of Humming Birds.] < *P. Z. S.*, xi, 1843, p. 122.
 Brief but pointed rectification of synonymy of 9 spp. of *Ornismya*.
1845. CABOT, S., JR. [Remarks on exhibition of Ornismia (sic) canivetii.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, p. 55.
1845. CABOT, S., JR. [*Trochilus yucatanensis*, sp. n.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, pp. 74, 75.
1845. G[UÉRIN-]M[ÉNÉVILLE, F. E.] [Note sur les] Descriptions et figures de plusieurs espèces nouvelles d'Oiseaux-mouches, par MM. J. Bourcier et E. Mulsant [Ann. des Sci., vi, 1843]. < *Revue Zoologique*, viii, 1845, pp. 343, 344.
1845. PARZUDAKI, [E.] Nouvelle espèce d'oiseau mouche [*Ornismia* (sic) isaacsonii]. < *Revue Zoologique*, viii, 1845, p. 95.
1845. PARZUDAKI, [E.] Nouvelle espèce d'Oiseau-Mouche [*Ornismia* (sic) lindenbergii]. < *Revue Zoologique*, viii, 1845, p. 253.
1846. BOURCIER, J. Description de nouvelles espèces de Trochilidées. < *Revue Zoologique*, ix, 1846, pp. 312-314.
Trochilus addæ, p. 312; *T. turnerii*, *T. lumachellus*, p. 313.
1846. BOURCIER, J. Description de vingt espèces d'Oiseaux-Mouches. < *Revue Zoologique*, ix, 1846, pp. 314-316, pl. 3, 4.
 Tel est le titre d'un mémoire que cet ornithologiste et M. Mulsant ont inséré dans les *Ann. Soc. Roy. d'Agr. de Lyon*. Ici se trouvent seulement les descriptions de deux espèces—*T. conersii*, p. 314, pl. 3; *T. victoriae*, p. 315, pl. 4—suivies d'une liste des autres.

1846. BOURCIER, J., and Mulsant, E. Descriptions de vingt espèces nouvelles d'Oiseaux-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, ix, 1846, pp. 313-332, 3 pl.
Not seen—title from E. & C.
1846. GOULD, J. [Descriptions of three New Species of the Family of Trochilidæ.] < *P. Z. S.*, xiv, 1846, pp. 44, 45.
Trochilus coruscans, p. 44; *T. flabelliferus*, *T. strophianus*, p. 45.
1846. GOULD, J. On twenty [*i. e.*, seventeen] New Species of Trochilidæ or Humming Birds. < *P. Z. S.*, xiv, 1846, pp. 85-90.
T. pyra, *T. smaragdinus*, p. 85; *T. gracilis*, *T. (ocreatus, g. n.) rufocaligatus*, *T. ligonicaudus*, p. 86; *T. cuprcauda*, *T. aeneocauda*, *T. violifer*, p. 87; *T. cyanopectus*, *T. aurescens*, *T. fulviventris*, p. 88; *T. nigrofasciata*, *T. ruficeps*, *T. inornata*, *T. regulus*, p. 89; *T. hypoleucus*, *T. hispidus*, p. 90: cf. *tom. cit.*, pp. 44, 45, for the three others.
1846. GOULD, J. [On three new species of Trochilidæ.] < *Ann. Mag. Nat. Hist.*, xviii, 1846, pp. 129, 130.
From *P. Z. S.*, May 12, 1846, pp. 44, 45, *q. v.*
1846. GOULD, J. On twenty [*i. e.*, seventeen] new species of Trochilidæ or Humming Birds. < *Ann. Mag. Nat. Hist.*, xviii, 1846, pp. 419-425.
From *P. Z. S.*, Sept. 22, 1846, pp. 85-90, *q. v.*
1846. GULLIVER, G. [Note on the Size of the Blood-Corpuscles of Birds, with Measurements by Dr. Davy of the Blood-Corpuscles of some Fishes and of a Humming-Bird.] < *P. Z. S.*, 1846, pp. 26-28.
Corpuscles of Hummer 1-2666th \times 1-4000th of an inch; long diameter of nucleus very nearly 1-4000th. Temperature about 105°.
1846. LATTRE, A. DE, and BOURCIER, J. Description de quinze espèces nouvelles de Trochilidées, faisant partie des collections rapportées par M. Ad. De Lattre, dont les précédentes excursions ont déjà enrichi plusieurs branches de l'histoire naturelle, et provenant de l'intérieur du Pérou, des républiques de l'Équateur, de la Nouvelle-Grenade et de l'isthme de Panama. < *Revue Zoologique*, ix, 1846, pp. 305-312.
Trochilus chimborazo, *T. wilsoni*, p. 305; *T. mosquera*, *T. derbyi*, p. 306; *T. grayi*, *T. lutetiæ*, p. 307; *T. edward*, *T. williamsi*, p. 308; *T. herrani*, *T. saul*, p. 309; *T. cuvierii*, *T. funnyi*, p. 310; *T. saucerottii*, *T. labrador*, *T. mocoa*, p. 311.
1847. BOURCIER, J. Description de quinze espèces de Trochilidées du cabinet de M. Loddiges. < *P. Z. S.*, xv, 1847, pp. 42-47.
T. mirabilis, *T. aquila*, p. 42; *T. millerii*, *T. schreibersii*, *T. matthewsii*, p. 43; *T. watertonii* (all from Lodd. MSS.), *T. crehynæ*, p. 44; *T. johanne*, *T. conradii*, *T. yarrelli*, p. 45; *T. spencei*, *T. ruckeri*, *T. doubledayi*, p. 46; *T. mitchellii*, *T. norrisii*, p. 47, spp. un.
1847. BOURCIER, J. Description de quinze espèces de Trochilidées du cabinet de M. Loddiges. < *Revue Zoologique*, x, 1847, pp. 253-261.
Extraite des *Proc. Soc. Zool. de Londres*, 1847, pp. 42-47, *q. v.*
1847. BOURCIER, J. Description de deux espèces nouvelles de Trochilidées. < *P. Z. S.*, xv, 1847, p. 48.
Trochilus caroli, *T. georginae*.
1847. BOURCIER, J. Description de deux espèces nouvelles de Trochilidées. < *Revue Zoologique*, x, 1847, pp. 260, 261.
Extraite des *Proc. Soc. Zool. Londres*, 1847, p. 48, *q. v.*
1847. BOURCIER, J. Description des nouvelles espèces de Trochilidées. < *Revue Zoologique*, x, 1847, pp. 401, 402.
Extraite des *Ann. Soc. Roy. de Lyon*, t. x.
1847. BOURCIER, J., and Mulsant, E. Description d'une espèce nouvelle d'Oiseau-Mouche. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, x, 1847, p. 136.
Pas vue moi-même—le titre tiré de la *Bibl.* de Car. et Englm.
1847. BOURCIER, J., and Mulsant, E. Description de trois espèces nouvelles d'Oiseaux-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, x, 1847, pp. 623, 624, 1 pl.
Pas vue moi-même—le titre tiré de la *Bibl.* de Car. et Englm.

- 1847-48. GOULD, J. Drafts for an arrangement of the Trochilidae, [&c.—the rest of the title is modified in succeeding Parts.] < *P. Z. S.*, xv, 1847, pp. 7-11, 16, 17, 30, 31, 94-96; xvi, 1848, pp. 11-14.

Synopsis of *Petaspheora*; *P. isolata*, sp. n., p. 9; *Oreotrochilus*, g. n.; *O. leucocleurus*, *O. melanogaster*, spp. nn., p. 10, with synopsis of the genus: *T. calliope*, sp. n., p. 11. Synopsis of *Eriopus*, n. g., p. 16; *Cometes*, n. g.; *C. phaon*, sp. n., p. 31; *Metallura*, *Doryfera*, genn. nn., pp. 94, 95; *D. violifrons*, *Lophornis regine*, spp. nn., p. 95; *Trochilus cœruleogaster*, sp. n., p. 96. In 1848: *Helianthea eos*, g. sp. n., p. 11; *Aglaeactis caumatotonotus*, *Helianthus mavors*, genn. spp. nn., p. 12; *Thalurania viridipectus*, gen. sp. n.; *Campylopterus obscurus*, sp. n., p. 13; *Trochilus caligatus*, sp. n.; *Oxygogon*, g. n., p. 14.

- 1847-48. GOULD, J. Drafts for a new arrangement of the Trochilidae [etc., mut. mut.]. < *Ann. Mag. Nat. Hist.*, xix, 1847, pp. 401-405, 408, 409, 421, 422; xx, 1847, pp. 283-285; 2d ser., ii, 1848, pp. 62-66.

From *P. Z. S.*, 1847-48, q. v.

1848. BOURCIER, J., and Mulsant, [E.] Descriptions de quelques nouvelles espèces d'Oiseaux-Mouches. < *Revue Zoologique*, xi, 1848, pp. 269-275.

Trochilus cephalus, p. 269; *T. castelnaudii*, p. 270; *T. pucherani*, p. 271; *T. josephinae*, *T. devillei*, p. 272; *T. phacton*, *T. amaryllis*, p. 273; *T. eucharis*, *T. alicia*, p. 274.

1848. GOSSE, P. H. Ueber das langgeschwänzte Colibri auf Jamaica. < *Fror. Notiz.*, 3 Reihe, vi, No. 121, 1848, pp. 167-169.

Nicht mir selbst zugänglich—Titel aus Carus u. Engelmann.

1849. BOURCIER, J., and Mulsant, E. [*Trochilus pichincha*, n. sp.] < *Mém. Acad. Lyon*, ii, 1849, pp. 427, 428.

Pas vu moi-même. Titre tiré de C. & E.

1849. BOURCIER, J., and Mulsant, E. Description d'une nouvelle espèce d'Oiseau-Mouche [*Trochilus pichincha*]. < *Rev. et Mag. de Zool.*, 2^e sér., i, Dec., 1849, pp. 625, 626.

Lué à l'*Acad. des Sc.*, etc., de Lyon, le 17 juillet 1849.

1849. GOSSE, P. H. Descriptions of two new Birds from Jamaica. < *Ann. Nat. Hist.*, 2d ser., iii, 1849, pp. 257-259.

Trochilus maria, p. 258; *Elania* (sic) *cotta*, p. 257.

1849. GOULD, J. Description of Two New Species with the characters of a New Genus of Trochilidae. < *P. Z. S.*, xvii, 1849, pp. 95, 96.

Heliadoxa (g. n., p. 95) *jacula*, p. 96; *Eriopus simplex*, p. 96.

- 1849-61. GOULD, J. A Monograph of [The Trochilidae,] or [Family of Humming-Birds.] By [John Gould, F. R. S.,] [etc., 8 lines.] In Five Volumes. [Vol. I]-[V]. [London:] printed by Taylor and Francis, Red Lion Court. Fleet Street. [Published by the Author, 26 Charlotte Street, Bedford Square.] [1849-]1861. [The author reserves to himself the right of translation.] [Five vols. folio. Vol. I, title 1 l., dedication 1 l., list of plates 1 l., pp. i-cxxviii (list of subscribers, preface, introduction, etc.), with unnumbered pll. 1-41, and unpagéd folios accompanying them. Vol. II, title 1 l., list of plates 1 l., with unnumbered pll. 42-116, and unpagéd folios accompanying them. Vol. III, title 1 l., list of plates 1 l., with pll. 117-203, and unpagéd folios accompanying them. Vol. IV, title 1 l., list of plates 1 l., with pll. 204-283, and unpagéd folios accompanying them. Vol. V, title 1 l., list of plates 1 l., with pll. 284-360, and unpagéd folios accompanying them.]

The above is the permanent title, furnished on the completion of the work, with the collation of the five vols. in which it is designed that the 25 parts in which the work was published be bound. The cover-title is a little different, as follows:—

A [Monograph] of the [Trochilidae] or [Humming Birds.] Dedicated with permission to [Her Royal Highness, The Princess Royal of England.] By [John Gould, F. R. S., &c.] — [Part I]-[XXV]. [—] Contents. [mut. mut.] [London:] published by the author. . . . [mut. mut.] [Price Three Guineas.] [June 1st, 1849 [-September 1st, 1861]. Part I, June 1st, 1849, 15 pll. and text. Part II, Nov. 1st, 1851, 15 pll. and text. Part III, May 1st, 1852, 15 pll. and text. Part IV, Oct. 1st, 1852, 15 pll. and text. Part V, May 1st, 1853, 15 pll. and text. Part VI, Oct. 1st, 1853, 15 pll. and text. Part VII, May 1st, 1854, 15 pll. and text. Part VIII, Oct. 1st, 1854, 15 pll. and text. Part IX, May 1st, 1855, 15 pll. and text. Part X, Sept. 1st, 1855, 15

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pll. and text. Part XI, May 1st, 1856, 15 pll. and text. Part XII, Sept. 1st, 1856, 15 pll. and text. Part XIII, May 1st, 1857, 15 pll. and text. Part XIV, Sept. 1st, 1857, 15 pll. and text. Part XV, May 1st, 1858, 15 pll. and text. Part XVI, Sept. 1st, 1858, 15 pll. and text. Part XVII, May 1st, 1859, 15 pll. and text. Part XVIII, Sept. 1st, 1859, 15 pll. (of 16 spp.) and text. Part XIX, May 1st, 1860, 15 pll. and text. Part XX, Sept. 1st, 1860, 15 pll. and text. Part XXI, May 1st, 1861, 15 pll. and text. Part XXII, July 1st, 1861, 15 pll. and text. Part XXIII, Sept. 1st, 1861, 15 pll. and text. Part XXIV, Sept. 1st, 1861, 15 pll. and text. Part XXV, no pll., 5 titles for 5 vols, 1 dedication, pp. i-cxxviii, being List of Subscribers, Preface, Introduction, Explanation of Abbreviations and Lists of Generic and Specific names, with 5 ll. of Lists of Plates, one for each vol.—In all, 360 unnumbered plates, and about or exactly as many unpaged folios of text, *plus* the titles, etc., furnished with Part XXV.

The unnumbered plates and unpaged folios of text are designed to be rearranged in making up the five volumes in a systematic sequence given in the "Introduction"; this and the lists of plates being the only clue to the citation of the plates by number. Each of the vols. is dated "1861" on the permanent title-page; but each vol. consists of plates and text published in other years, the appearance of the plates having been according to no systematic arrangement of the genera and species. To preserve dates of publication of the plates, I first give a list of the species according to their appearance in the successive Parts, and then quote the Plates by their numbers in the made-up volumes, according to the sequence indicated in the Introduction.

PART I, June 1st, 1849.—*Trochilus polytmus*, *Oreotrochilus estellei*, *O. leucopleurus*, *O. adela*, *Phaethornis eurynome*, *P. eremita*, *Pterophanes tenuinckii*, *Dorimastes ensiferus*, *Spathura underwoodi*, *S. peruana*, *S. rufocaligata*, *Oxygogon guerini*, *O. lindeni*, *Tryphæna duponti*, *Augastes scutatus*. (15 spp.)

PART II, Nov. 1st, 1851.—*Topaza pella*, *T. pyra*, *Oreotrochilus chimborazo*, *O. pichiucha*, *Eutoxeres aquila*, *E. condamini*, *Glaucis ruckeri*, *Calothorax heliodori*, *C. nulsanti*, *Florisuga mellivora*, *F. flabellifera*, *F. atra*, *Augastes lamachellus*, *Phaethornis griseogularis*, *Mellisuga minima*. (15 spp.)

PART III, May 1st, 1852.—*Eustephanus galeritus*, *Cynanthus cyanurus*, *C. smaragdicaudus*, *Grypus navius*, *Selasphorus rufus*, *S. scintilla*, *S. platycercus*, *Eriocnemis simplex*, *Campylopterus rufus*, *C. hyperythrus*, *Hylöcharis cyaneus*, *H. sapphirinus*, *Lophornis chalybeus*, *Calothorax yarrelli*, *Thaumatias chionurus*. (15 spp.)

PART IV, Oct. 1st, 1852.—*Thaumatista euicura*, *Cometes sparganurus*, *C. phaon*, *Ramphomicon microrhyncha*, *R. stanleyi*, *R. heteropogon*, *R. ruticeps*, *R. herrani*, *Phaethornis guy*, *P. yaruqui*, *P. symatophorus*, *P. hispidus*, *P. pygmaeus*, *Threnetes leucurus*, *T. antoniae*. (15 spp.)

PART V, May 1st, 1853.—*Heliotrypha viola*, *Petasphora anais*, *P. isolata*, *P. cyanotis*, *P. thalassina*, *P. serrirostris*, *P. coruscans*, *P. delphinae*, *Heliomaster longirostris*, *H. constanti*, *H. pinicola*, *H. angele*, *H. mesoleucus*, *Chlorostilbon prasinus*, *Phaethornis bourcierii*. (15 spp.)

PART VI, Oct. 1st, 1853.—*Enpetomena hiruundinacea*, *Clytolaema rubinea*, *Urosticte benjamini*, *Dorifera ludovicæ*, *D. johanne*, *Heliothrix auritus*, *H. auriculatus*, *H. barrovi*, *Eriocnemis cupreiventris*, *E. mosquera*, *E. luciani*, *Schistes geoffroyi*, *S. albogularis*, *Aphantochroa cirröchloris*, *Phaethornis intermedius*. (15 spp.)

PART VII, May 1st, 1854.—*Lesbia amaryllis*, *Calothorax micurus*, *Eustephanus fernandensis*, *E. stokesi*, *Gouldia langsdortii*, *G. popelairi*, *G. conversi*, *Bourcieria torquata*, *B. fulgidigula*, *B. inca*, *Phaethornis pretrei*, *P. augusti*, *P. anthophilus*, *Hypuroptila buffoni*, *H. cæruleogaster*. (15 spp.)

PART VIII, Oct. 1st, 1854.—*Diphogena* (sic) *iris*, *Selasphorus? heloiseæ*, *Cephalepis delalandi*, *C. loddigesi*, *Helianthea typica*, *H. bonapartei*, *Myiabeillia typica*, *Panoplitus jardini*, *P. matthewsi*, *P. flavescens*, *Cœligena typica*, *C. purpurea*, *Eriocnemis lugens*, *Delattria henrici*, *Phaethornis striigularis*. (15 spp.)

PART IX, May 1st, 1855.—*Helianthus clarissæ*, *H. strophianus*, *H. amethysticollis*, *H. spencei*, *H. mavors*, *Patagona gigas*, *Thaumatias brevirostris*, *T. affinis*, *Cyanomyia quadricolor*, *Delattria clemenciae*, *D. vividipallens*, *Leucippus chionogaster*, *Adelomyia melanogæys*, *A. floriceps*, *Glaucis dohrni*. (15 spp.)

PART X, Sept. 1st, 1855.—*Lophornis ornatus*, *L. gouldi*, *L. magnificus*, *L. regulus*, *L. reginae*, *L. helena*, *Helianthea eos*, *H. violifera*, *Eriocnemis aureliae*, *Campylopterus delatirei*, *C. pampa*, *Gouldia letitiæ*, *Phaethornis philippi*, *Leucochloris albicollis*, *Adelomyia? castaneiventris*. (15 spp.)

PART XI, May 1st, 1856.—*Eugenia imperatrix*, *Helicinia cornuta*, *Avocettula recurvirostris*, *Avocettinus eurypterus*, *Calypte anna*, *C. helena*, *C. costæ*, *Rhodops vespera*, *Lamprolaima rhami*, *Cyanomyia cyanocephala*, *Cœligena wilsoni*, *Glaucis hirsuta*, *Thalurania watertoni*, *T. glaucopsis*, *Adelomyia inornata*. (15 spp.)

PART XII, Sept. 1st, 1856.—*Aglaeactis cupipennis*, *A. panæla*, *Thaumatias albiventris*, *T. linnaei*, *Chrysolaupis moschitus*, *Calothorax fanny*, *Eugenes fulgens*, *Lesbia gouldi*, *Campy-*

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lopterus lazulus, *C. cuvieri*, *Urochroa bougueri*, *Lampornis mango*, *Lencippus fallax*, *Calliphox amethystina*, *Sancerottia cyanifrons*. (15 spp.)

PART XIII, May 1st, 1857.—*Thaumatista elizae*, *T. core*, *Lafresnaya flavicauda*, *L. gayi*, *Helianthea luteia*, *Tonolaima schreibersi*, *Circus latirostris*, *Aglaeactis castelnaui*, *Orthorhynchus cristatus*, *O. exilis*, *Amazilia pristina*, *A. cerviniventris*, *A. corallirostris*, *Chlorostilbon auriceps*, *Thaluranina wagleri*. (15 spp.)

PART XIV, Sept. 1st, 1857.—*Calothorax cyanopogon*, *C. calliope*, *C. rosa*, *Trochilus alexandri*, *Eulampis jugularis*, *E. holosericeus*, *E. chlorolemnis*, *Campylopterus ensipennis*, *Coccygus plumbeus*, *Eucophala carulea*, *E. grayi*, *Empidonax eximius*, *Klais guimeti*, *Phaethornis longuemarus*, *P. adolphi*. (15 spp.)

PART XV, May 1st, 1858.—*Eriocnemis derbianus*, *E. nigrivestis*, *E. isaacsoni*, *Trochilus colubris*, *Phaethornis obscura*, *P. viridicaudata*, *Lampornis gramineus*, *L. porphyreus*, *L. veraguensis*, *L. aurulentus*, *L. prevosti*, *Cometes? glyceria*, *Heliopadica melanotis*, *Erythronota edwardi*, *E. niveiventris*. (15 spp.)

PART XVI, Sept. 1st, 1858.—*Phaiolaima rubinoides*, *Heliodoxa jacula*, *Discura longicauda*, *Phaethornis superciliosus*, *P. cephalus*, *Sternoclyta cyaneiceps*, *Thaluranina fuscata*, *T. columbica*, *T. venusta*, *T. eriphibe*, *T. verticeps*, *Microchera albocoronata*, *Chrysobronchus virescens*, *C. viridicaudus*, *Chrysuraonia elieae*. (15 spp.)

PART XVII, May 1st, 1859.—*Metallura eupreicauda*, *M. aeneicauda*, *M. tyrianthina*, *M. smaragdulincolis*, *M. williamsi*, *Eriocnemis vestitus*, *E. alinae*, *Heliobrix phainolara*, *H. purpureiceps*, *Campylopterus villaviciensis*, *Chrysuraonia enone*, *C. humboldti*, *C. josephine*, *Sporadinus elegans*, *Phaethornis amaura*. (15 spp.)

PART XVIII, Sept. 1st, 1859.—*Tonolaima frontalis*, *Bourcieria conradi*, *Julianmyia typica*, *Damophila amabilis*, *Spathura melanantha*, *Oreotrochilus melanogaster*, *Thaumatias leucogaster*, *T. chionopectus*, *T. milleri*, *Amazilia Dumerili*, *A. leucophaea*, *A. cyanura*, *Hylocharis lactea*, *Phaethornis oseryi*, *P. nigricinctus*, *P. episcopus*. (16 spp. on 15 pl.)

PART XIX, May 1st, 1860.—*Spathura cissura*, *Calothorax pulchra*, *Heliotrypa parzudaki*, *Chlorostilbon caniveti*, *Phaiolaima aequatorialis*, *Sapphironia goudoti*, *S. caruleogularis*, *Campylopterus latipennis*, *C. obscurus*, *Chrysuraonia chrysura*, *Thaumatias caudatus*, *Erythronota antiqua*, *Calliphlox mitchelli*, *Amazilia riefferi*, *A. devillei*. (15 spp.)

PART XX, Sept. 1st, 1860.—*Lophornis verreauxi*, *Lesbia encharis*, *L. nana*, *L. gracilis*, *Heliodoxa leadbeateri*, *H. otero*, *Cyanomyia franciae*, *C. violiceps*, *C. cyanocollis*, *Chlorostilbon alicie*, *C. poortmani*, *C. atala*, *Amazilia viridigaster*, *Circus doubledayi*, *Sporadinus ricordi*. (15 spp.)

PART XXI, May 1st, 1861.—*Clytolama? aureescens*, *Heliopadica xantusi*, *Thaluranina refulgens*, *T. nigrofasciata*, *T. tschudii*, *Oreopyra leucaspis*, *Calothorax evelynae*, *C. jordani*, *Aphantochroa gularis*, *Eriocnemis squamata*, *E. godini*, *Panterpe insignis*, *Lampornis viridis*, *Heliodoxa jamesoni*, *Chlorostilbon angustipennis*. (15 spp.)

PART XXII, July 1st, 1861.—*Chlorostilbon phaethon*, *C. osberti*, *Phaeoptila sordida*, *Thaumatias viridiceps*, *Amazilia beryllina*, *A. ocai*, *Hypuroptila urechrysis*, *Cometes? caroli*, *Erythronota sophia*, *Eucophala caruleo-lavata*, *E. smaragdo-carulea*, *E. chlorocephala*, *E. hypocyanea*, *Grypus spixi*, *Glaucis melanura*. (15 spp.)

PART XXIII, Sept. 1st, 1861.—*Loddigesia mirabilis*, *Schistes personatus*, *Eriocnemis d'orbigny*, *Thaumatias nitidifrons*, *Amazilia alticola*, *A. yucatanensis*, *A. castaneiventris*, *Ramphomicon vuleani*, *Diphlogena aurora*, *Selasphorus floresii*, *Campylopterus roberti*, *Metallura primolius*, *Phaethornis fraterculus*, *P. zonura*, *Erythronota saucerottii*. (15 spp.)

PART XXIV, Sept. 1st, 1861.—*Lophornis dellattrei*, *Threnetes cervinicauda*, *Glaucis fraseri*, *G. affinis*, *G. mazarzeppa*, *G. lanceolata*, *Erythronota felicia*, *E.? elegans*, *Calothorax decoratus*, *Lampornis virginalis*, *Adelomyia maculata*, *Orthorhynchus ornatus*, *Smaragdochrysis iridescens*, *Sporadinus mangiei*, *Phlogophilus hemileucurus*. (15 spp.)

PART XXV, Sept. 1st, 1861.—No plates.

(Above names, copied as printed on covers, may not be literally the same as engraved on each plate.—To the 361 spp. figured in these parts, others are added in Part XXV, without plates; these are given in the systematic enumeration beyond.)

The systematic enumeration of the species by plates, according to the make-up of the five volumes, is as follows (the asterisk indicates Gould's genera and species, whether here new or not: a page given instead of a plate signifies that the species is an unfigured one published in Part XXV, 1861):—

VOL. I., with the paged letter-press, &c., and pl. 1-41.—*Grypus navius*, pl. 1: *spixi*, 2; *Eutoxeres aquila*, 3; *condamini*, 4; *Glaucis hirsuta*, 5; *mazarzeppa*, 6; *affinis*, 7; *lanceolata*, 8; *melanura*, 9; *dehrii*, 10; *ruckeri*, 11; *fraseri*, 12; *Threnetes leucurus*, 13; *cervinicauda*, 14; *antoniae*, 15; *Phaethornis eurynome*, 16; *malaris*, 17; *consobrina* (p. xl): *fratercula*, 18; *longirostris*, 19; *symnathophora*, 20; *boliviana* (p. xl): *hispidus*, 22; *oseryi*, 23; *anthophila*, 24; *bourcierii*, 25; *guyi*, 26; *emiliae* (p. xli); *yarnqui*, 27; *supercilliosa*, 28; *augusti*, 29; *squalida* [= *intermedius* on pl.], 30; *Pygornis longuemari* [= *Phaethornis longuemarus* of pl.],

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31; amara [= *Phaethornis* on pl.], 32; aspasie [= *Phaeth.* **viridicauda* on pl.], 33; **zonura* [= *Phaethornis* on pl.], 34; adolphi [= *Phaeth.* on pl.], 35; **griseogularis* [= *Phaethornis* on pl.], 36; **striigularis* [= *Phaethornis* on pl.], 37; idalie [= *Phaethornis* **obscura* on pl.], 38; nigricincta [= *Phaeth.* on pl.], 39, f. 1; **episcopus* [= *Phaethornis* on pl.], 39, f. 2; *rufiventris* (p. xlv); **eremita* [= *Phaeth.* on pl.], 40; *pygmaeus* [= *Phaethornis* on pl.], 41.

VOL. II, pll. 42-116.—*Eupetomena macrura* [E. *hirundinacea* on pl.], 42; *Sphenoproctus* [= *Campylopterus* α pl.] *pampa*, 43; *curvipennis* (p. xlv); *Campylopterus lazulus*, 43; *hemileucurus* [= *delattrei* on pl.], 45; *ensipennis*, 46; *splendens*, 47, up. fig.; *villavicencis*, 47, low. fig.; *latipennis*, 48; **equatorialis* (p. xlvii); **obscurus*, 49; *rufus*, 50; *hyperythrus*, 51; **Phaeochroa* [= *Campylopterus* on pl.] *cuvieri*, 52; *roberti*, 53; **Aphantochroa cirrhochloris*, 54; **gularis*, 55; *Dolerisca* [= *Leucippus* on pl.] *fallax*, 56; **cervina* (p. xlviii); **Urochroa bougueri*, 57; **Sternoclyta cyaneipectus*, 58; **Eugenes fulgens*, 59; *Coeligena* [= *Delattria* on pl.] *clemenciae*, 60; *Lamprolaima rhami*, 61; *Delattria henrici*, 62; *viridipallens*, 63; **Heliopeadia melanotis*, 64; *xantusi*, 65; *Topaza pella*, 66; *pyra*, 67; **Oreotrochilus chimborazo*, 68; *pichincha*, 69; *estellæ*, 70; **leucopleurus*, 71; **melanogaster*, 72; *adela*, 73; *Lampornis mango*, 74; **iridescens* (p. liii); *prevosti*, 75; **veraguensis*, 76; *gramineus*, 77; *viridis*, 78; *purulentus*, 79; *virginalis*, 80; *porphyurus*, 81; *Eulampis jugularis*, 82; *holosericeus*, 83; *chloroleucus*, 84; **longirostris* (p. lv); *Lafresnaya flavicaudata*, 85; *gayi*, 86; *saulæ* (p. lv); **Doryfera johanna*, 87; *ludovicæ*, 88; **rectirostris* (p. lvi); *Chalybura* [= *Hypnoptila* on pl.], 89; **urochrysis* [= *Hypnoptila* on pl.], 90; **carnileogastra* [= *Hypnoptila* on pl.], 91; **isauræ* (p. lvii); **Tolama frontalis*, 92; *schreibersi*, 93; **Heliodoxa jacula*, 94; *jamesoni*, 95; *Leadbeatera otero*, 96; **splendens* (p. lviii); *grata*, 97; *Aithya* [= *Trochilus* on pl.] *polytmus*, 98; **Thalurania glaucopis*, 99; *waterstoni*, 100; *furcata*, 101; **furcatoides* (p. lx); *forficata* (p. lx); **refulgens*, 102; **tschudii*, 103; **nigrofasciata*, 104; **venusta*, 105; *columbica*, 106; **verticeps*, 107; *fannia* (p. lx); *eriphyle*, 108; *wagleri*, 109; **Panoplitus jardini*, 110; *flavescens*, 111; *matthewsi*, 112; *Florisuga mellivora*, 113; **flabellifera*, 114; **atra*, 115; **Microchera albocoronata*, 116.

VOL. III, pll. 117-203.—*Lophornis ornatus*, 117; *gouldi*, 118; *magnificus*, 119; **regulus*, 120; **lophotes* (p. lxiii); *delattrei*, 121; **reginae*, 122; *helena*, 123; *Polemistria* [= *Lophornis* on pl.] *chalybea*, 124; *verreauxi* [= *Lophornis* on pl.], 126; *Discara longicauda*, 126; *Prymacantha* [= *Gouldia* on pl.] *popelairi*, 127; *Gouldia langesdortii*, 128; *conversi*, 129; *letitia*, 130; *Trochilus colubris*, 131; *alexandri*, 132; *Mellisuga minima*, 133; **Calypte costae*, 134; *annæ*, 135; *helena*, 136; *Selasphorus rufus*, 137; **scintilla*, 138; *floresii*, 139; *platycercus*, 140; *Atthis heloiseæ*, 141; **Stellula* [*Calothorax* on pl.] *calliope*, 142; *Calothorax cyanopogon*, 143; **pulcher*, 144; **Acestrura* [= *Calothorax* on pl.] *mulanti*, 145; **decorata* [= *Calothorax* on pl.], 146; *heliadori* [= *Calothorax* on pl.], 147; **micura* [= *Calothorax* on pl.], 148; **Chaetocercus* [= *Calothorax* on pl.] *rosea*, 149; *jourdaini* [= *Calothorax* on pl.], 150; *Myiis* [= *Calothorax* on pl.] *fannæ*, 151; *yarrelli* [= *Calothorax* on pl.], 152; *Thaumatocora cora*, 153; *Rhodops vespera*, 154; *Doricha elizæ*, 155; *evelynæ*, 156; *enicura*, 157; **Tryphaena duponti*, 158; *Calliphox amethystina*, 159; *amethystoides* (p. lxx); *mitchelli*, 160; **Loddigesia* **mirabilis*, 161; **Spathura underwoodi*, 162; *melanantora*, 163; **peruana*, 164; **rufocaligata*, 165; **cissina*, 166; *Lesbia gouldi*, 167; **gracilis*, 168; *numa*, 169; *amaryllis*, 170; *eucharis*, 171; *Cyananthus cyanurus*, 172; **caelestis* (p. lxxii); *mocoa* [= **smaragdineaudus* on pl.], 173; **Cometes sparganius*, 174; **phaon*, 175; *glyceria*, 176; *caroli*, 177; **Pterophanes temminckii*, 178; **Aglaeactis cupripennis*, 179; *aequatorialis* (p. lxxiv); **parvula* (p. lxxiv); **caumatonotus* (p. lxxiv); *castelnaudi*, 180; *pamele*, 181; **Oxygogon guerinii*, 182; *hindenii*, 183; *Ramphomicon heteropogon*, 184; *stanleyi*, 185; **vulcani*, 186; *herrani*, 187; **ruficeps*, 188; *microrhynchum*, 189; **Urostictes benjamini*, 190; **Metallura eupreicauda*, 191; **aeneicauda*, 192; *williamsi*, 193; *primolii*, 194; *tyrianthina*, 195; **quitensis* (p. lxxvii); *smaragdineicollis*, 196; *Adelomyia inornata*, 197; *melanogenys*, 198; **maculata*, 199; *Avocettinus eurypterus*, 200; *Avocettula recurvirostris*, 201; *Anthocephala* [= *Adelomyia* on pl.] *floriceps*, 202; *castaneiventris* [= *Adelomyia* on pl.], 203.

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VOL. V, pls. 284-360.—*Cyanomyia quadricolor*, 284; **violiceps*, 285; *cya-nocephala*, 286; **guatemalensis* (p. xevi); francie, 287; **cyanicollis*, 288; **Hemistilbon* **ocai*, 289; norrisi (p. xcvi); *Leucippus chionogaster*, 290; *Leucochloris albicollis*, 291; *Thaumatias candidus*, 292; **chionopectus*, 293; *leucogaster*, 294; **viridiceps*, 295; milleri, 296; nitidifrons, 297; **caeruleiceps* (p. xcvi); *brevirostris*, 298; **affinis*, 299; **chionurus*, 300; *albiventris*, 301; linuui, 302; **fluvialis* (p. xcix); **apicalis* (p. xcix); **maculicaudus* (p. xcix); *Amazilia pristina*, 303; **alticola*, 304; dumerili, 305; *leucophaea*, 306; *Pyrrhophana cinnamomea* [= *Amazilia corallirostris* on pl.], 307; *yucatanensis* [= *Amazilia* on pl.], 308; **cerviniventris* [= *Amazilia* on pl.], 309; **castaneiventris* [= *Amazilia* on pl.], 310; riefferi [= *Amazilia* on pl.], 311; *beryllina* [= *Amazilia* on pl.], 312; devillei [= *Amazilia* on pl.], 313; *viridigaster* [= *Amazilia* on pl.], 314; *iodura* (p. ci); **cyanura* [= *Amazilia* on pl.], 315; *Erythronda antiqua*, 316; *felicie*, 302; **edwardi*, 318; **nigriventris*, 319; **elegans*, 320; *Saucerottia typica* [*Erythronda saucerottii* on pl.], 321; *sophia* [= *Erythronda* on pl.], 322; warszewici (p. ciii); *Hemithylaea* [= *Saucerottia* on pl.] *cyanifrons*, 323; **Eupherusa eximia*, 324; *Chrysironia anone*, 325; *josephinae*, 326; *neera* (p. civ); **caeruleicapilla* (p. civ); *humboldti*, 327; *eliciae*, 328; *chrysura*, 329; *Euphala grayi*, 330; **smaragdo-caerulea*, 331; *chlorocephala*, 332; **caeruleo-lavata*, 333; **scapulata* (p. cv); **hypocyanea*, 334; *caerulea*, 335; *cyanogenys* (p. cv); *Panterpe insignis*, 336; *Juliamia typica*, 337; *felicianae* (p. cvi); **Circe latirostris*, 338; *doubledayi*, 339; **Phaeoptila* **sordida*, 340; **zonura* (p. cvii); *Damophila* **amabilis*, 341; *Hylocharis sapphirina*, 342; *lactea*, 343; *cyanea*, 344; *Sapphironia gondoti*, 345; **caeruleigularis*, 346; *Sporadinus elegans*, 347; *ricordi*, 348; *mangai*, 349; *Chlorolampis* [*Chlorostilbon* on pl.] **auriceps*, 350; *caniveti* [*Chlorostilbon* on pl.], 351; *osberti* [*Chlorostilbon* on pl.], 352; *salvini* (p. cix); **Chlorostilbon* *augustipennis*, 353; *haeberlini* (p. cx); *phaethon*, 354; *aureiventris* (p. cx); *prasinus*, 355; **igneus* (p. cxi); *atala*, 356; *daphne* (p. cxi); **peruanus* (p. cxi); **napensis* (p. cxi); **brevicaudatus* (p. cxi); *chrysogaster* (p. cxi); *assimilis* (p. cxii); *nitens* (p. cxii); *Pauechlora* [*Chlorostilbon* on pl.] *alica*, 357; *euchloris* (p. cxii); *stenura* (p. cxiii); *poortmani* [*Chlorostilbon* on pl.], 358; **Smaragdochrysis* **iridescens*, 359; **Phlogophilus* **hemileucurus*, 360.

(Note.—The above list being drawn up by turning the pages of the Introduction, the asterisk may be misplaced in some instances, if the author has omitted to place his name after his own genera and species, or has placed it after any names for which he is the authority only in as far as the combination of the generic with the specific term is concerned. I have preferred to take this list rather than that of the plates alone, as this represents the final views of the author, and gives many species not figured; the species here catalogued being 416 in number, while the plates number 360. In many cases the generic, and sometimes the specific, names are here different from those printed in the body of the work and engraved on the plates; but all these discrepancies I have taken due note of in the brackets.)

1849. [JARDINE, W.] *Oreotrochilus jamesonii* [n. sp.], Jardine. October, 1849. < *Jard. Contrib. Orn.*, 1849, p. 67, pl. xliii.

See also note, *Contrib.* for 1850, p. 27.

1849. PARZUDAKI, [E.] Description et figure d'une [réemment] nouvelle espèce d'Oiseau-Mouche de la République de Venezuela. < *Rev. et Mag. de Zool.*, i, 1849, pp. 273, 274, pl. 8.

Ornysmia (sic) *lindenii*, Parz., R. Z., 1845, p. 253.

1849. SALLÉ, A. [Description d'une nouvelle espèce d'Oiseau-Mouche (*Ornysmia* (sic) *catharinae*).] < *Rev. et Mag. de Zool.*, i, 1849, p. 498.

1850. BONAPARTE, C. L. Note sur les Trochilidés. < *Compt. Rend. de l'Acad. Sci. Paris*, xxx, 1850, pp. 379-383.

Lafresnaya, *Delattria*, *Boureiera*, *Saucerottia*, *Loddigiornis*, *Gouldio*, sont des genres nouveaux ou récemment décrits (1849).

1850. BONAPARTE, C. L. Note sur les Trochilidés. < *Rev. et Mag. de Zool.*, ii, 1850, pp. 243-245.

Extrait des *Comptes Rendus de l'Acad. des Sc. de Paris*, séance du 1^{er} avril 1850, q. v.

1850. GOULD, J. On six new species of Humming Birds. < *P. Z. S.*, xviii, 1850, pp. 162-164.

Trochilus scintilla, *T. chionura*, p. 162; *T. venusta*, *T. coerulocularis*, *T. castaneiventris*, p. 163; *T. niveoventer*, p. 164.

1850. [JARDINE, W.] *Trochilus allardi*, Bourc. < *Jard. Contrib. Orn.*, 1850, p. 81, and p. 151, pl. lv.
1850. [JARDINE, W.] Ornithology of Quito. < *Jard. Contrib. Orn.*, 1850, pp. 1-3.
The piece consists of notices of 8 spp. of *Trochilidæ*.
1851. ANON. Ueber die Verbreitung der Colibris. < *Fror. Tagsb.*, no. 339 (Zool. Bd., ii), 1851, p. 120.
Not seen—title from Carus and Engelmann.
1851. BOURCIER, J. Note sur onze espèces nouvelles de Trochilidées. < *Compt. Rend. de l'Acad. Sci.*, xxxii, 1851, pp. 186-188.
Trochilus bougueri, *T. godini*, p. 186; *TT. condamini*, *yarucui*, *pichincha*, *stanleyi*, *benjamini*, *jardini*, *villaviscensis*, *jamesoni*, *duchassaini*, p. 187, recueillies par lui en 1849 et '50 dans la République de l'Équateur.—Note sur ce sujet par M. Isid. Geoffroy St.-Hilaire, p. 183.
1851. BOURCIER, J. Note sur onze espèces nouvelles de Trochilidées. < *Rev. et Mag. de Zool.*, iii, Feb., 1851, pp. 96-98.
Extraite des *Comptes Rendus de l'Acad. des Sc. de Paris*—séance du 10 février, 1851, q. v.
1851. BOURCIER, J., and MULSANT, E. Description d'une nouvelle espèce d'Oiseau-Mouche [*Trochilus stanleyi*]. < *Ann. Sc. Phy. Soc. d'Agric. de Lyon*, nouv. sér., iii, 1851, pp. 199-203. (Aussi séparément, Svo, pp. 5.)
Not seen—title from Carus and Engelmann.
1851. GEOFFROY SAINT-HILAIRE, ISID. [Note sur les onze espèces nouvelles de Trochilidées de M. Bourcier.] < *Compt. Rend. de l'Acad. Sci.*, xxxii, 1851, p. 188.
1851. GOULD, J. On some new species of Trochilidæ. < *P. Z. S.*, xix, 1851, pp. 115, 116.
Trochilus (—?) *amabilis*, *Phaethornis griseogularis*, p. 115.
1851. GOULD, J. On six new species of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., viii, 1851, pp. 341-343.
From *P. Z. S.*, June 25, 1850, pp. 162-164, q. v.
1851. GOULD, J. Description of Three New Species of Humming-Birds. < *Jard. Contrib. Orn.*, 1851, pp. 139, 140.
Phaethornis syrnatophora, p. 139; *Schistes albogularis*, *Eriopus lugens*, p. 140.
1851. [JARDINE, W.] *Trochilus* (Thalurania) *verticeps*, Gould. [n. sp.] < *Jard. Contrib. Orn.*, 1851, p. 79, pl. lxxi.
1851. [JARDINE, W.] *Trochilus* (Spathura) *melananthera*, Jardine. < *Jard. Contrib. Orn.*, 1851, pp. 111, 112, pl. lxxx.
1851. JERRARD, P., and BAILEY, F. W. N. The Humming Bird Keepsake. A Book of Bird Beauty. The Birds painted among Nests and Flowers by Paul Jerrard. The Poetry by F. W. N. Bailey, written expressly for this work. London: P. Jerrard. 1851. 4to.
Not seen—title from Carus and Engelmann.
1852. BOURCIER, J., and MULSANT, E. Description d'une nouvelle espèce d'Oiseau-Mouche. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, nouv. sér., iv, 1852, pp. 139-144.
Not seen—title from Carus and Engelmann.
1852. DEVILLE, E. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Mouches, suivies de quelque notes anatomiques et de mœurs sur l'Hoazin, le Caurale et la Savacon. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 208-226, pl. 9.
Sur les mœurs de dix espèces du genre *Ornismyia*; sur l'*Opisthocomus cristatus* (pl. 9), l'*Eurypyga helias* et la *Cancroma cochlearia*.
1852. GOULD, J. Descriptions of Three New Species of Humming Birds. < *Jard. Contrib. Orn.*, 1852, pp. 135-137.
Ramphomicron vulcani, p. 135, Bolivia; *Bourcieria inca*, p. 136, Bolivia; *Trochilus* (—?) *auriceps*, p. 137, Mexico.
1852. GOULD, J. On the genus Thalurania. < *P. Z. S.*, xx, 1852, pp. 8, 9.
List of 11 spp., with their habitats; *T. refulgens*, p. 9, sp. n.

1852. MARTIN, W. C. L. A | General History | of | Humming-Birds, | or the | Trochilidae: | with especial reference to the | collection of J. Gould, F. R. S., &c. | now exhibiting in the | Gardens of the Zoological Society of London. | By | W. C. L. Martin. | late one of the Scientific Officers of the Zoological | Society of London. | — | London: | H. G. Bohn, York Street, Covent Garden. | 1852. 1 vol. sm. 16mo. pp. i-vii, 1 l., pp. 1-232, frontisp. and pll. col'd, 1-3, 3*, 4-14.

I also find this work cited as "12mo., 1853"; but this may not indicate a different edition. The work seems to have been designed as a sort of continuation of, or supplement to, the Humming-birds of Jardine's *Naturalist's Library*; and it was in fact afterward made one of the vols. of that notable collection. I have handled the vol. both as a separate work and as one of the *Nat. Libr.*; the title and collation are identical, excepting that the date is carefully erased in the *Nat. Libr.* binding. When found in this connection there is absolutely nothing to show what vol. of the series it is intended for.—Omitting the unnumbered vol. called "General History of Man," it would make Vol. XLI of the *Nat. Libr.*; counting the *Gen. Hist. of Man* as one, it would be Vol. XLII; there being 40 vols. of the series without either of these two.—But the copy examined is stamped on the back "Hummingbirds, Vol. III"; going by this token, the work makes Vol. VII *bis* of the Bird Series, the two regular Humming-bird volumes being respectively Vols. VI and VII.

It is a modest treatise of much merit, as the author's name would lead us to anticipate. The arrangement of the genera is according to Bonaparte. Some 175 spp. altogether are treated, and, on the 15 (not 14) colored plates and the frontispiece are figured the following:

Frontisp., *Docimastes ensiferus*. Pl. 1, *Petasophora isolata*; 2, *Heliothrix auritus*; 3, *Campylopterus obscurus*; 3*, *Topaza pyra*; 4, *Bouvieria torquata*; 5, *Aglaeactis cupreipennis*; 6, *Helianthea eos*; 7, *Chrysauronia senone*; 8, *Helianthus mavors*; 9, *Oreotrochilus chiborazo*; 10, *Ramphomicron heteropogon*; 11, *Oxygogon lindeni*; 12, *Spathura underwoodii*; 13, *Eriopus cupreiventris*; 14, *Gouldia conversi*.

1853. BOURCIER, J. Nouvelle espèce du genre *Metallura* [primolinus], Gould. < *Rev. et Mag. de Zool.*, v, 1853, pp. 295, 296.

1853. GOULD, J. Descriptions of Five New Species of Humming Birds. < *P. Z. S.*, xxi, 1853, pp. 61, 62.

Helianthea iris, *H. aurora*, *Helianthus viola*, *Trochilus* (—?) *cyanocollis*, p. 61; *T.* (—?) *floriceps*, p. 62.

1853. GOULD, J. Observations on the Nests of Humming Birds [Trochilidae]. < *P. Z. S.*, xxi, 1853, p. 100.

1853. GOULD, J. Descriptions of Two New Species of Humming Birds from Peru. < *P. Z. S.*, xxi, 1853, p. 109.

Spathura cissura, *Calothorax micrurus*.

1853. GOULD, J. On some new species of Trochilidae. < *Ann. Mag. Nat. Hist.*, 2d ser., xi, 1853, pp. 466, 467.

From *P. Z. S.*, Mar. 25, 1851, pp. 115, 116, q. v.

1853. MÜNSTER, W. Abwesenheit der Furcula am Skelet eines Trochilus. < *Zeitschr. gesamm. Naturwiss.*, i, 1853, p. 18.

Not seen—title from Giebel.

1853. VERREAUX, J., and VERREAUX, E. Note du genre *Lophornis* Ch. Bp.—*Lophornis Verreauxii* Bourc. < *Rev. et Mag. de Zool.*, v, 1853, p. 193, pl. 6.

1854. BONAPARTE, C. L. Talleau [sic] des Oiseaux-Mouches. < *Rev. et Mag. de Zool.*, vi, Mai, 1854, pp. 248-257. (Aussi séparément, Paris, Raçon, 1854; 8vo, pp. 12.)

Conspectus Trochiliformes: 80 genres, 322 espèces: "le squelette de mes études sur les Oiseaux-Mouches." Les noms seulement, sans descriptions.

The year 1854 was a sad one for the Hummers. Two deadly assaults were made upon the literature of the family, by Bonaparte in France, and by Reichenbach in Germany; with the result of making confusion worse confounded in the generic nomenclature. Both these authors opened the flood-gates, and fairly inundated the subject with numberless new names, few of which were needed, none of which were characterized with regard for proprieties, and some of which duplicated each other. What with these authors' extravagancies, and the still further loosening of the reins of judicious moderation in the hands of Mulsant in 1866 and subsequently, the Hummers were probably as badly abused as any family of birds whatever. They have been fairly overwhelmed with a mass of synonymy. There are to-day scarcely fewer genera of Hummers than species; and, if we count the different application

1854. BONAPARTE, C. L.—Continued.

of the same name by different authors and the varying orthography of names, there are actually more generic names than there are species in this family!

I regard Bonaparte's services to the science of Ornithology to have ceased in 1850. The sum total of his after contributions to the subject, to the time when death cut short his schemes, is not only a worthless but a pernicious aggregate. In his latter years, Bonaparte simply played chess with birds, with himself for king: *le roi s'amuse!* Scheme followed scheme, tableau tableau, conspectus conspectus, with perpetual changes, incessant coining of new names, often in mere sport—it was nothing but turning a kaleidoscope. It may have been fun for him, but it was death to the subject. Besides his pedantries and his pleasantries, he had two very bad habits, neither of them any better than a trick, by which he juggled other authors out of the way to make room for himself. Under a thin pretence of making due grace to his peers, he would take their names, invest them with a new significance, and place "Bp." after such names in their new association; and then bestow a new name upon the genus thus deprived of its rightful designation—killing two birds with one stone. Again, he usually took a specific name for a generic one, and to the species thus left nameless he would give a new name—scoring two for himself again. When, as sometimes happened, these two tricks fell together, he was enabled to write "Bp." four times where it should not once have appeared. Add to all this that he was utterly regardless of orthography—often wrote the same name in different ways—quoted others' names so carelessly as to make them look like new names—renamed the same thing often in mere forgetfulness—made genera in joke, for a chance for a pun, or to compliment a friend—and let the most slovenly printing pass—with all this, I say, we have a state of things that is a disgrace to himself, a scandal to science, and only to be adequately characterized by the word abominable.

The present article may stand in illustration of the justness of my censure. It is one of four in which within as few years Bonaparte disarranged the Hummers. There is his article in the *Consp. Av.* 1849; one in the *Compt. Rend.* 1850; one in the *Ann. Sc. Nat.* 1854; and the present. He calls it only "the skeleton" of his studies; we may wonder what it would be if filled out. It is a mere list of the names of 80 genera and 322 species. It is impossible for any one who has not made a special study of the Hummers to tell which are here new names and which are not. Many are here used for the first time, and many others, both of his own and of others', are used in such novel application, or are so differently spelled, that they become *de jure* new names. I give the following list, being those that have "Bp." after them:—

Myiætina, *Doleromyia*, *Leucippus*, *Orthornis*, *Guyornis*, p. 249. *Pygmornis*, p. 250. *Leadbeatera*, *Heliomastes*, *Ornithomyia*, *Bourcieria*, p. 251. *Cæligena*, *Lafresnaya*, *Chrysobronchus*, *Heliotryppha* (sic; Gould), *Eriocnemys* (sic; Reff.h.), p. 252. *Ramphomicon*, *Myiæbeillia*, *Adelomyia*, *Florisuga*, *Delattria*, p. 253. *Cyanomyia*, *Amazilius*, *Chrysuronis*, p. 254. *Saucerotia*, *Sporadinus*, *Thaumantias*, *Juliamyia*, p. 255. *Sapphironia*, *Avocettinus*, *Cephalæpis* (sic; Lodd.), *Loddigiornis*, *Discura*, p. 256. *Thaumastura*, *Lophorinus*, *Gouldia*, *Gouldomyia*, p. 257.

It is directly pertinent to the subject of Bonaparte's abuse of names in this family to refer to his other schemes, which are not formally citable in this part of my Bibliography.

In the *Ann. Sc. Nat.*, 4th ser., i, 1854, Bonaparte has inserted one of his perpetual conspectus, embracing *Trochilidæ*. Here he is not only at the tricks I have exposed, but commits an ultra-Napoleonic piece of fatuity; namely, citing a number of names as if Reichenbach's, which the latter never published (see Elliot, *Class. and Syn. Troch.*, 1879, p. 188). Consequently the reproach of them falls upon Bonaparte. Such are *Aline*, *Mosqueria*, *Lucania*, *Derbomyia*, etc.

Bonaparte was seldom thoughtful enough of the convenience of others to indicate whether a "Bp." name was newly proposed or not; and it is consequently not easy for any one to decide upon the original reference to be given in such cases. Thus, in his "Note sur les Trochilidés," in *Comp. Rend.* (*vide supra*, 1850), he has a number of names; and I notice that Mr. Elliot quotes this place and date as the original reference to them. Most if not all of them, however, occur in his *Consp. Av.* of date 1849.

As the latter is a general work which does not come in this portion of my Bibliography, I will here give a list of the Bp. genera in it—being those which Gray correctly attributes to "Bp. 1849" in his *Handlist*:—

Phæthornis (= *Phæthornis*, Sw.), p. 67; *Lafresnaya*, *Doryfera* (= *Dorifera*, Gld.), p. 68; *Colibri*, *Heliotrix* (= *Heliothryx*, Boie), p. 69; *Delattria*, *Leadbeatera*, *Heliomaster*, p. 70; *Cæligena* (ex. Less), *Leucippus*, *Bourcieria*, *Florisuga*, p. 73; *Avocettinus*, *Chrysuronis*, p. 75; *Saucerotia*, *Amazilius*, p. 77; *Thaumantias*, p. 78; *Ramphomicon*, p. 79; *Sephanoides* (ex. Less.), p. 82; *Cephalæpis* (ex. Lodd.), p. 83; *Discosura*, p. 84; *Thaumastura*, p. 85; *Gouldia*, p. 86.

1854. BOURCIER, J. Nouvelle espèce du genre *Hylocharis* [chlorocephalus]. Boie.
 < *Rev. et Mag. de Zool.*, vi, 1854, pp. 457, 458.

1854. GOULD, J. Description of a New Species of Humming Bird, from Quijos [Threptes cervinicauda]. < *P. Z. S.*, 1854, xxii, p. 109.
1854. GOULD, J. On the Genus Thularania. < *Ann. Mag. Nat. Hist.*, 2d ser., xiii, 1854, pp. 228, 229.
From *P. Z. S.*, Jan. 13, 1852, pp. 8, 9, q. v.
1854. GOULD, J. On a New Species of Cometes [mossia]; a Genus of Humming-Birds. < *Rep. Brit. Assoc. Adv. Sci. for 1853*, xxiii, 1854 (*Misc. Comm.*), p. 68.
Not described here. (See *Athen.*, 24th Sept., 1853.)
1854. REICHENBACH, L. Aufzählung der Colibris oder Trochilideen in ihrer wahren natürlichen Verwandtschaft, nebst Schlüssel ihrer Synonymik. < *J. f. O.*, 1853, *Extrah.*, Marz, 1854, besondere Beilage, pp. 1-24.
General remarks; Tabular view of Genera under 16 subfamilies of 4 groups; Criticism of generic names; List of Species; Synonymatic key to the same: New Species, as follows:—*Coeligena warszewitzi*, *C. sagitta*, *Chlorestes maculicollis*, *C. euchloris*, p. 23; *Lesbia gorgo*, *Steganura spatuligera*, *S. remigera*, *Amazilia leucophoea*, p. 24.
I regret to perceive that either Mr. Elliot or myself is mistaken respecting the date of this paper, the former having uniformly cited the many new genera of Reichenbach's as of 1853. Gray gives them correctly, as of 1854. The paper is a special supplement to the extra number of the *J. f. O.* for 1853; but the *Extrah.* dates 1854. Moreover, Cabanis, the editor, who surely should know, gives the exact date as March, 1854. The article was presented to the seventh annual meeting of The German Ornithological Society, held at Halberstadt, July 11-14, 1853.
It is curious that Reichenbach and Bonaparte twice crossed each other's paths in their coining of many new names for the Hummers. The portions of the *Av. Syst. Nat.* of the former, and of the *Consp. Av.* of the latter, which contain the *Trochilidæ*, both date 1849. Again, in 1854, both brought forward numberless new names. In the former case I do not know with which author lies actual priority; in the latter, Reichenbach takes precedence, Bonaparte's article having appeared in May, 1854.
If the reader will refer to my remarks upon Bonaparte's article of 1854, he will be prepared for no very favorable judgment of mine respecting the present paper of Reichenbach's. Of the immense number of new generic names which the German author here inflicts upon the *Trochilidæ* it cannot be that many are either necessary or desirable: many are mere synonyms, and none whatever are characterized. Not a few, however, take precedence over those of Bonaparte. I give the following list of the names which are Reichenbach's—most of which are here new, though some were proposed by him in 1849—there being no distinction made between them.
Arocellula, p. 6; *Damophila*, *Chlorestes*, *Smaragditiis*, p. 7; *Rivcordia*, *Discura*, *Steganura*, *Tilmatura*, p. 8; *Chrysolampis*, *Sappho*, *Eriocnemis*, *Engyete*, *Threptia*, *Phemonoë*, *Hemistephania*, *Phaiolaima*, *Ionolaima*, *Lamprolaima*, p. 9; *Agyrtia*, *Uranomitra*, *Leucochloris*, *Chalybura*, *Cyanophaia*, *Euccephala*, *Cyanochloris*, p. 10; *Margarochrysis*, *Boissonneaua*, *Platystylopterus*, *Florusia*, *Sericotes*, *Pampa*, *Saepiopterus*, *Prognornis*, p. 11; *Mulsantia*, *Bellatrix*, *Helictinia*, *Popelairia*, *Rhanphomieron* (ex. Bp.), *Parzudakia*, *Lamprurus*, *Anactoria*, *Diotima*, *Atthis*, *Doricha*, *Rhodopsis*, *Calliperidia*, p. 12; *Myrtis*, *Archilochus*, *Lipidolarynx*, *Klaia*, *Baucis*, *Telesiella*, *Praxilla*, *Petasophora*, p. 12; *Eustephanus*, *Eremita*, *Ptyonornis*, *Ametronis*, *Thaumaste*, p. 14; *Eutoxeres*, p. 15.
1855. AXON. [Review of parts vii, viii of Gould's *Trochilidæ*.] < *Nat. Hist. Rev.*, ii, 1855, pp. 3-8.
1855. GOULD, J. On two New Species of Humming Birds. < *P. Z. S.*, xxiii, 1855, pp. 86, 87.
Heliothrix purpureiceps, p. 87, Popayan; *H. phainolæma*, p. 87, Rio Napo.
1855. GOULD, J. On a new Genus and Species of *Trochilidæ* [*Eugenia imperatrix*] from Ecuador. < *P. Z. S.*, xxiii, 1855, p. 192.
1855. GOULD, J. Descriptions of Five New Species of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 146, 147.
From *P. Z. S.*, Apr. 12, 1853, pp. 61, 62, q. v.
1855. GOULD, J. Observations on the Nests of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 157, 158.
From *P. Z. S.*, July 26, 1853, p. 100.
1855. GOULD, J. Description of a New Species of Humming Bird, from Quijos. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 278, 279.
From *P. Z. S.*, May 9, 1854, p. 109.

1855. GOULD, J. Descriptions of two new Species of Humming Birds, from Peru.
 < *Ann. Mag. Nat. Hist.*, 2d ser., vx, 1855, pp. 318, 319.
 From *P. Z. S.*, Nov. 22, 1853, p. 109.
1855. LAWRENCE, G. N. Description of a New Species of the Humming Bird of the Genus *Mellisuga* Brisson [*M. albo-coronata*], with a note on *Trochilus aquila* Bourcier. < *Ann. Lyc. Nat. Hist. New York*, vi, 1855, pp. 137-142, pl. iv.
1855. REICHENBACH, L. *Trochilinarum Enumeratio ex affinitate naturali reciproca prima ducta provisoria*. Leipzig. J. Hofmeister. 1855. 8vo.
 Not seen.
1856. ADAMS, H. G. Humming Birds described and illustrated; with an introductory sketch of their structure, plumage, habits, haunts, etc. By H. G. Adams. With 8 coloured plates. London: Groombridge. 1856. 1 vol. 8vo. pp. 104, pll. 8.
 Not seen: title from Carus and Engelmann, *Bibl.* (*Young Naturalist's Library*.)
1856. BOURCIER, J. Description d'une espèce nouvellement connue d'Oiseau-mouche du genre *Pygornis* [amanra] (*Conspectus Trochilorum*, prince Ch. Bonaparte), famille des Trochilidés, sousfam. 175 Phaethorninés. < *Rev. et Mag. de Zool.*, viii, 1856, pp. 552, 553.
1856. BOURCIER, J., and Mulsant, E. [*Trochilus idaliæ*, *T. aspasie*, spp. nn.] < *Ann. Soc. Linn. de Lyon*, n. s., iii, 1856, pp. 187-189.
 Pas vu moi-même—le titre est tiré de la *Bibl.* de Carus et Engelmann.
1856. GOULD, J. On two New Species of Humming Birds belonging to the genus *Amazilius*. < *P. Z. S.*, xxiv, 1856, pp. 150, 151.
A. cervineiventris, p. 150, Cordova; *A. castaneiventris*, p. 150, Bogotá.
1856. GOULD, J. On a new genus and species of Trochilidæ [*Eugenia imperatrix*] from Ecuador. < *Ann. Mag. Nat. Hist.*, 2d ser., 1856, pp. 270, 271.
 From *P. Z. S.*, Nov. 13, 1855, p. 192.
1856. GOULD, J. On two new Species of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 518, 519.
 From *P. Z. S.*, June 12, 1855, pp. 86, 87, q. v.
1857. ANON. The Canadian Humming Bird [*Trochilus colubris*]. < *Canad. Journ.*, ii, 1857, pp. 382, 383.
 Note of Gould's carrying them toward England.
1857. GOULD, J. Descriptions of Three New Species of the Genus *Phaethornis*, Family Trochilidæ. < *P. Z. S.*, xxv, 1857, pp. 14, 15.
Phaethornis viridicaudata, *P. episcopus*, *P. obscura*, p. 14.
1857. GOULD, J. On two New Species of Humming Birds belonging to the genus *Amazilius*. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, p. 352.
 From *P. Z. S.*, June 10, 1856, pp. 150, 151, q. v.
1857. GOULD, J. Descriptions of Three New Species of the Genus *Phaethornis*, Family Trochilidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 493, 494.
 From *P. Z. S.*, Jan. 27, 1857, pp. 14, 15, q. v.
1858. LAWRENCE, G. N. Descriptions of Seven New Species of Humming Birds. < *Ann. Lyc. Nat. Hist. New York*, vi, 1858, pp. 258-264.
Phaethornis moorci, p. 258; *Ph. villosus*, p. 259; *Ph. atrimentalis*, *Ph. nigricinctus*, p. 260; *Glaucois affinis*, p. 261; *Campylopterus splendens*, p. 262; *Ionolaima frontalis*, p. 263.
1858. S[IMPSON], W. Humming Bird of the U. States. < *Am. Journ. Sci.*, xxv, 1858, pp. 294, 295.
T. colubris.—From *Ann. Mag. N. H.*, 2d ser., xx, p. 520.
1859. BOURCIER, J., and Mulsant, E. [*Lophornis verreauxi*]. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, iii, 1859, p. 364.
 Not seen—title from Giebel. (Some mistake here?)
1859. GOULD, J. Descriptions of four new Species of Humming-birds from Mexico. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, pp. 96-98.
Amazilia ocai, p. 96, Xalapa; *Calothorax pulchra*, *Cyanomyia violiceps*, *C. t sordida*, p. 97 Oaxaca.

1859. H[INCKS], W. A monograph of the Trochilidae, or Humming Birds. < *Canad. Journ.*, iv, 1858, pp. 47-50.
Review of portions of Gould's work.
1859. JAMESON, W., and FRASER, L. Notes on some of the Humming-birds of Ecuador figured in Mr. Gould's Monograph. < *Ibis*, i, 1859, pp. 399, 400.
Brief field-notes on 9 spp.
1860. BRYANT, H. [Note on *Trochilus bahamensis*.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, p. 317.
1860. CABANIS, J., and HEINE, F. Museum Heineanum. . . . III. Theil, die Schriillvogel . . . Halberstadt, 1860. > *Fam. Trochilidae*, pp. 1-81.
Though scarcely citable as a separate article, I notice this portion of the *Mus. Hein.* here for the many new names of Hummers it gives, as follows:—*Dolerisca*, p. 6; *Pygmornis rufiventris* (for *rufigaster* V.), p. 7; *Toxoteuches*, p. 11; *Sphenoproctus*, p. 11; *Loxopterus*, p. 13; *Orotrochilus* (for *Oreotrochilus* Gould), p. 15; *Chrysolampis reichenbachi*, p. 31; *Thalurania forficata* (for *furcatoides* Gould), p. 24; *Sporadicus*, p. 25; *Aggrtria niveipectus* (for *chionopectus* Gld.), p. 33; *Pyrrophana*, p. 35; *P. suavis*, p. 36; *Hemithylaea*, p. 37; *H. hoffmanni*, p. 38; *H. warszewiczi*, p. 38; *Uranomitra lessoni*, p. 41; *Chrysirisca*, p. 42; *Panterpe*, p. 43; *P. insignis*, p. 43; *Chlorolampis*, p. 47; *C. salrini*, p. 48; *C. smaragdina*, p. 48; *Prasitis*, p. 49; *Paueychora*, p. 46; *P. aurata*, p. 50; *P. stenura*, p. 50; *Aithurus*, p. 50; *Entoma*, p. 51; *Sparganura*, p. 52; *Psaliodyprymna*, p. 52; *Heliomaster sclateri*, p. 54; *Cephalolepis* (for *Cephallepis* Lodd.), p. 61; *Potemistria*, p. 63; *Prymnacantha*, p. 64; *Urolampis*, p. 68; *U. chloropogon*, p. 68; *Agaclyta*, p. 70; *A. aequitorialis*, p. 70; *Adelisca*, p. 72; *Anthocephala*, p. 72; *Heliotryphon* (for *Heliotrypha*), p. 74; *Streblorhamphus*, p. 76; *Opisthopora*, p. 76; *Hypermetra*, p. 80.
The high character of this publication is too well known to require comment here. These authors offer a notable contrast to some who could be named, and who would suffer by comparison, in the great care they take for the correct and precise orthography of words according to their classical etymology. Many of the above new names, in fact, have their origin in the practice of these authors to discard altogether, or at least to emend, any name not classical in form. Commendable as is this care in the coining of new words, it is perhaps going to an extreme to reject all words, otherwise unobjectionable, which are not formed in the same manner.
1860. GOULD, J. Descriptions of twenty-two New Species of Humming-Birds. < *P. Z. S.*, xxviii, 1860, pp. 304-312.
Grypus spizi, *Glaucis melanura*, p. 304; *Phaethornis zonura*, *Augasma smaragdineum*, p. 305; *Eucephala coerulescens*, *E. hypocyanea*, p. 306; *Erythronota elegans*, *Thaumastura viridiceps*, *T. coerulescens*, p. 307; *T. nitidifrons*, *Chlorostilbon melanorhynchus*, *C. acuticaudus*, p. 308; *C. osberti*, *Calothorax decoratus*, *Amazilia alticola*, p. 309; *Phlogophilus* (g. n.) *hemileucurus*, *Calliphlox iridescens*, *Aphantochroa gularis*, p. 310; *Eriocnemis squamata*, *Schistes personatus*, p. 311; *Thalurania tchudii*, *Oreopyra leucaspis*, p. 312.
1860. GOULD, J. Descriptions of twenty-two New Species of Humming-Birds. < *Ann. Mag. Nat. Hist.*, 3d ser., vi, 1860, pp. 301-309.
From *P. Z. S.*, June 12, 1860, pp. 304-312, q. v.
1860. LAWRENCE, G. N. Descriptions of three new species of Humming-birds of the Genera *Heliomaster*, *Amazilia*, and *Mellisuga*. < *Ann. Lyc. Nat. Hist. New York*, vii, Apr., 1860, pp. 107-111.
H. stuarti, p. 107, Bogotá; *A. xantusii*, p. 109, Cape St. Lucas; *M. merrittii*, p. 110, Veragua. [The "*Mellisuga merrittii*" = *Klais guimeti*.]
1860. LAWRENCE, G. N. Description of a New Species of Bird of the genus *Phaeton*, also of a New Species of Humming Bird of the Genus *Heliopaedica*. < *Ann. Lyc. N. Y.*, vii, Apr., 1860, pp. 142-145.
The Hummer is named *H. castaneocauda*, p. 145; it is from Cape St. Lucas, and is the same as *Amazilia xantusii*. *Id. ibid.*, p. 109.
1860. OCA, R. M. DE. The Mexican Humming-Birds. < *Proc. Acad. Nat. Sci. Phila.*, xii, 1860, pp. 47, 48, 80, 81, 551-553.
Descriptions of, and field notes on, 4 spp. in three separate papers: No. 1, *Campylopterus delattrei*; No. 2, *Cyanomyia cyanocephala*; No. 3, *Campylopterus pampu* and *Thaumastura elize*. (Title of Nos. 2 and 3 modified to "The Hummingbirds of Mexico".)
1860. SALVIN, O. Notes on the Humming-birds of Guatemala. < *Ibis*, ii, 1860, pp. 259-272.
More or less extended biographical notes on 23 spp., with remarks upon several others.

1861. BREWER, T. M. [Remarks on exhibition of two nests of *Trochilus colubris*.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1861, p. 426.
1861. GEOFFROY, L. DE. Note sur les Trochilidées, (Oiseaux-Mouches—Tominejas) de la Nouvelle Grenade.—Par Mr. L. de Geoffroy, Secrétaire de la Légation de France à Bogotá. < *Contribuciones de Colombia a las Ciencias i a las Artes publicadas con la cooperacion de la Sociedad de Naturalistas Neo-Granadinos, por E. Uricoechea, Año Segundo, 1861*, pp. 1-16 (8vo, Bogotá, imprenta de El Mosaico; Londres, Trübner & Co).
- The piece of the "Contribuciones" handled consists only of the above cover-title and of Geoffroy's article, which treats briefly of 64 spp., mostly with reference to their habits, &c. The list is dressed after Bonaparte's, with Gould's names also, when different, and with the native appellations; the whole preceded by some general considerations.
- Cf. *Ibis*, 1862, p. 188.
1861. GOULD, J. Descriptions of Two New Species of Humming-Bird, belonging to the Genus *Hypuroptila*. < *P. Z. S.*, xxix, 1861, pp. 198, 199.
- H. urochrysa*, p. 198; *H. isauræ*, p. 199.
1861. GOULD, J. Descriptions of Two New Species of Humming-Birds belonging to the Genus *Hypuroptila*. < *Ann. Mag. Nat. Hist.*, 3d ser., viii, 1861, pp. 268, 269.
- From *P. Z. S.*, May 14, 1861, pp. 198, 199, *q. v.*
1861. GOULD, J. An | Introduction | to | The Trochilidæ, | or | Family of Humming-birds. | By John Gould, F. R. S., &c. &c. | London: | printed for the author, | by Taylor & Francis, Red Lion Court, Fleet street. | 1861. 8vo. 4 p. ll., pp. i-iv, 1-216.
- Synonymatic list, with primary reference to the pll. of the folio work, habitat, and miscellaneous critical and biographical comment on the 416 spp. and 123 gen. presented. Species given without a reference are: *Phaethornis boliviana*, p. 42; *Eulampis longirostris*, p. 69; *Dorifera rectirostris*, p. 71; (*Stellula*, p. 90;) *Cyananthus caelestis*, p. 102; *Metalhura quitensis*, p. 112 (*descr. nulla*); *Cyanomyia guatemalensis*, p. 148; (*Hemistilbon*, p. 149;) *Chrysoronia cæruleicapilla*, p. 165 (*descr. nulla*); *Circe*, p. 168; *Phæoptila*, p. 169; *Eucephala scapulata*, p. 166; *Phæoptila zonura*, p. 170; *Chlorostilbon igneus*, p. 176; *C. peruanus*, *C. napensis*, p. 177; *C. brevicaudatus*.
1862. ANON. Die Kolibris. < *Ans der Natur.*, xix, oder n. F. vii, Jan.-März 1862, pp. — — —.
- Not seen.
1862. CRISP, E. On some points relating to the Anatomy of the Humming-bird (*Trochilus colubris*). < *P. Z. S.*, xxx, 1862, pp. 208-210.
1862. GOULD, J. [Exhibition and Description of two New Species of Humming-birds from Ecuador, of a New *Fregilus* from the Himalayas, and of a new *Prion*.] < *P. Z. S.*, Apr. 8, 1862, pp. 124, 125.
- The Hummers named are *Heliothrix longirostris* and *Aphantochroa hyposticta*, p. 124.
1862. GOULD, J. [On new Trochilidæ, a new *Fregilus*, and a new *Prion*.] < *Ann. Mag. Nat. Hist.*, 3d ser., x, 1862, pp. 315-317.
- From *P. Z. S.*, April 8, 1862, pp. 124, 125, *q. v.*
1862. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Charadriidæ, Trochilidæ, and Caprimulgidæ. < *Ann. Lyc. Nat. Hist. New York*, vii, Feb., 1862, pp. 455-460.
- The *Trochilidæ* here described are *Thalurania lucia*, p. 456, and *Chlorostilbon insularis*, p. 457, both from the Tres Marias Isls.; *Trochilus auricularis*, p. 458, loc. ignot.; *Sapphirionia luminosa*, p. 458, N. Granada.
1863. BENVENUTI, H. Description de quatre nouvelles espèces de la famille des Trochilidæ, provenant de la Nouvelle-Grenade et d'une nouvelle *Sylvia* du Brésil. < *Rev. et Mag. de Zool.*, xv, 1863, pp. 206-208.
- Polytmus ceciliæ*, *Mellisuga judith*, *M. salvadorii*, *M. ridolfii*, *Sylvia picciolii*, p. 207.—Traduction franç. d'un opuscule, petit in-4° de 16 pages, Florence, impr. royale, 1863. Voir le titre ci-dessous, 1866, BENVENUTI, E.
1863. CRISP, E. On some Points relating to the Anatomy of the Humming-bird (*Trochilus colubris*). < *Ann. Mag. Nat. Hist.*, 3d ser., xii, 1863, pp. 70-72.
- From *P. Z. S.*, June 24, 1862, pp. 208-210.

1863. GOSSE, P. H. The Humming Bird's Tongue. < *Zoologist*, xxi, 1863, pp. 8435, 8436, figg. 1, 2.
1863. GOULD, J. On a New Genus of Humming Birds [*Androdon aequatorialis*, sp. n.]. < *Ann. Mag. Nat. Hist.*, 3d ser., xii, 1863, pp. 246, 247.
1863. HEINE, F. Trochilidica. < *J. f. O.*, xi, 1863, pp. 173-217.
An extended and elaborate critical review.—*Dnophera*, p. 175; *Aspasta*, p. 179; *Polyplancta*, p. 182; *Eranna*, p. 187; *Eratina*, p. 190; *Polyerata*, p. 194; *Eratopis*, p. 191; *Erasmia*, p. 191; *Cloanges*, p. 200; *Polygonymus*, p. 206; *Thaumatoëssa*, p. 209; *Tricholopha*, p. 209; *Polyaena*, p. 215, genu. nn. *Thalurania subfurcata*, p. 181; *Agyrtria terpna*, p. 184; *A. compsa*, p. 185; *Hemithylaea braccata*, p. 193; *Chlorostilbon egregius*, p. 197; *Lesbia margarethæ*, p. 213; *Docimastes schliephackei*, p. 215, spp. nn.
1863. WALLACE, A. R. Who are the Humming Bird's Relations? < *Zoologist*, xxi, 1863, pp. 8486-8491.
Cypselidae, not *Nectariniidae*.
1864. BURMEISTER, H. Sobre los Picaflores descriptos por D. Felix de Azara. < *Anales del Mus. Publ. de Buenos Aires*, i, Entrega primera, 1864, pp. 67-70.
This is the original form of the paper; see the German paper of same date. Cf. *Ibis*, 1865, p. 535; *P. Z. S.*, 1865, p. 467. See 1867, BURMEISTER, H.
1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridae, Cuculidae, and Trochilidae, with a Note on *Panterpe insignis*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1864, pp. 41-46.
The *Trochilidae* here described are *Urochroa leucura*, p. 43, Ecuador; *Urosticte ruficrisso*, p. 44, Ecuador; and *Ramphomicron olivaceus*, p. 44, Bolivia.
1865. BURMEISTER, H. [Extract from a letter concerning *Heliomaster angelæ*.] < *P. Z. S.*, 1865, pp. 466, 467.
1865. BURMEISTER, H. Ueber die von Azara beschriebenen Kolibri-Arten. < *J. f. O.*, xiii, 1865, pp. 225-229. Nachtrag dazu, *J. f. O.*, 1866, pp. 88-90.
Azara's No. 289 = *Agyrtria albiventris*; Nos. 290, 291 = *Hylocharis ruficollis*; Nos. 292, 293, 294 = *H. bicolor* (lege *flavifrons*); Nos. 295, 296 = *Lampornis mango*; No. 298, unbestimmtbar; Nos. 297, 299 = *Heliomaster angelæ*. (Vergl. *Zool. Rec.* a. d. J. 1865, p. 100; *Ibis*, 1865, p. 535; *P. Z. S.*, 1865, p. 467.)
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridae, Vireonidae, Tyrannidae, and Trochilidae, with a Note on *Myiarchus punamensis*. < *Proc. Acad. Nat. Sci. Phila.*, xvii, Jan., 1865, pp. 37-39.
The Hummers here described are *Chalybura aeneicauda*, p. 38, Venezuela; *C. carnioli* and *Panychlora parvirostris*, p. 39, Costa Rica.
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridae, Dendrocolaptidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.
The Hummer here described is *Eupherusa nivicauca*, p. 134.
1865. SCLATER, P. L. [Exhibition of specimens of *Heliomaster angelæ*, with notes thereupon by Prof. Burmeister.] < *P. Z. S.*, xxxiii, 1865, pp. 466, 467.
1866. BENVENUTI, E. Descrizione di quattro nuove specie della famiglia dei Trochilidi provenienti dalla Nuova Granata e di una nuova specie di *Dendroica* del Brasile con l'aggiunta di una nota riguardante la Fauna Toscana. < *Annali R. Museo di Fisica e Storia Nat. di Firenze* per il, 1865, nuova serie, i, 1866, pp. 197-209.
Polytmus (*Campylopterus*) *ceciliae*, p. 202; *Mellisuga* (*Panoplitus*) *judith*, p. 203; *M. (Cyananthus) salvadorii*, p. 204; *M. (Eriocnemis) ridolfi*, p. 205; *Dendroica picciolii*, p. 207.
This is the title as taken direct from the *Annali* for 1865, dated 1866; but the article must have appeared, in substance at least, with the names of all these new species, as early as 1863, being noticed in French in the *Rev. et Mag. de Zool.* of that year, xv, pp. 206-208; where it is described as a sm. 4to of 16 pp., Florence, 1863. I have not seen it in that form, nor of such date.—Compare same author, 1863. (See especially *Ibis*, 1876, pp. 5-11.)
1866. BURMEISTER, H. Ueber die von Azara beschriebenen Kolibri-Arten. Nachtrag [J. f. O., 1865, pp. 225-229]. < *J. f. O.*, 1866, pp. 88-90.

1866. LAWRENCE, G. N. Characters of Seven New Species of Birds from Central and South America, with a Note on *Thaumatias chionurus*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 344-350.

Besides the Hummer mentioned in the text there are described as new *Phæthornis cassini*, p. 347, and *Eupherusa cupreiceps*, p. 348.

1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 400-405.

The Hummers here described are *Heliodoxa henryi*, p. 402, Costa Rica; *Thaumatias viridicaudus*, p. 404, Buenaventura; *Amazilia (Pyrrhophæna) graysoni*, p. 404, Tres Marias Islands. Cf. *Ibis*, 1867, p. 247.

1866. Mulsant, E., Verreaux, J., and Verreaux, E. Essai d'une Classification Méthodique des Trochilidées on Oiseaux-Mouches. < *Mém. Soc. Imp. des Sci. Nat. de Cherbourg*, xii, 1866, pp. 152-240. (Separate, 8vo, Paris, 1866, pp. 98.)

Not seen.—Cf. *Ibis*, 1867, pp. 126-129; and especially *Zool. Rec.* for 1866, pp. 83-85, from which I took title and comment, before I handled the separate, which see (next title).

This work is designed to furnish an analytical arrangement of the family, and to characterize the several groups composing it. The *Trochilidæ* are primarily divided into two tribes, the Trochiliens and the Ornismiens, distinguished by characters drawn from the upper mandible. The Trochiliens form two sections, each of them with several branches, and the branch "Leucoliæares" being further subdivided; and the Ornismiens similarly contain two divisions, each subdivided. The whole are arranged in 70 genera, including 29 subgenera, so great a reduction of the 123 genera recognized by Gould, in 1861, that "we should be inclined to look upon Prof. Mulsant's arrangement as an improvement, but for the belief that his reduction in their number seems to be obtained in some cases by totally ignoring certain of his predecessor's divisions, while, on the other hand, the use of so many groups larger than genera deprives the present work of a very desirable simplicity; but the fact, which is highly creditable to him, remains to be mentioned that characters which are more or less definite are assigned to each group of species, whether larger than a genus or less, named or unnamed." 11 new genera and 13 new subgenera are proposed; others are used in a sense very different from that attributed to them by Gould. There is great liberty taken with the spelling. 370 spp. are enumerated, among them 4 new ones without description—a most reprehensible practice. The work is announced as merely the precursor of a larger one on the same subject.

Leucolia, p. 31; *Ariana*, p. 36; *Euclosia*, p. 63; *Callidice*, p. 65; *Erebenma*, p. 66; *Bellona*, p. 75; *Paphosia*, p. 75; *Telamon*, p. 75; *Uralia*, p. 81; *Amathusia*, p. 85; *Zephyritis*, p. 87, are new genera; and *Dyrinia*, *Egolia*, *Elvira*, *Emilia*, *Eupogonus*, *Galenia*, *Italia*, *Manilia*, *Mesophila*, *Momus*, *Osalia*, *Philodice*, and *Polymnia* are new subgenera. *Amazilia lessoni*, p. 35 = *A. pristina* of Gould; *Diphlogena (Helianthea) lessoni*, p. 61 = *Lampropygia cæligena* + *L. boliviana* of Gould; *Bellona hectoris*, p. 75 = *Orthorhynchus ornatus* of Gould; *Zephyritis (Calypte) elvire*, p. 88 = *Calypte helice* of Gould.

1866. Mulsant, E., Verreaux, J., and Verreaux, E. Essai d'une Classification Méthodique des Trochilidées ou Oiseaux-Mouches, par E. Mulsant, Sous-Bibliothécaire de la ville de Lyon, Professeur d'histoire naturelle au Lycée, Président de la Société linnéenne, etc., et Jules Verreaux, Attaché au Muséum d'histoire naturelle de Paris, Edouard Verreaux, Marchand-naturaliste. — [Paris, F. Savy, Libraire, Deyrolle, Rue Hautefeuille, 24, || Rue de la Monnaie, 19, Verreaux, Place Royale, 9.] [1866.] 1 vol. 8vo. pp. 98.

Extrait des Mémoires de la Société Impériale des Sciences Naturelles de Cherbourg, t. xii, 1866. Cherbourg, Imp. Bedelfontaine et Syffert.

1866. SCLATER, P. L. [Exhibition of some specimens of *Eustephanus fernandensis* and *E. stokesi*.] < *P. Z. S.*, xxxiv, 1866, pp. 556, 557.

Including extracts from a letter by E. L. Landbeck on the *Trochilidæ* of Juan Fernandez.

1867. BURMEISTER, H. Suplemento á las noticias sobre los Picaflores de d. Félix de Azara. < *Anal. Mus. Publ. Buenos Aires*, i, Entrega segunda, 1867, p. 86 (última página).

"La última página de la primera Entrega debe suprimirse por estar reimpressa en la segunda Entrega." This "suplemento" is therefore on the last page (86) of Entrega i, 1864; but only appeared with Entrega ii, 1867. See 1864, BURMEISTER, II.

1867. LAWRENCE, G. N. Descriptions of New Species of Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, May, 1867, pp. 483-485.

Doricha bryantæ, p. 483; *Oreopyra venusta*, p. 484; *O. cinereicauda*, p. 485; all three from Costa Rica.

1868. GOULD, J. Descriptions of two new species of Humming-Birds. < *Ann. Mag. Nat. Hist.*, 4th ser., i, 1868, pp. 322, 323.
Eriocnemis smaragdinipectus, p. 322, Ecuador; *Gouldia melanosternon*, p. 323, Peru.
1868. GOULD, J. On some additional species of Eutoxeres. < *Ann. Mag. Nat. Hist.*, 4th ser., i, 1868, pp. 455-457.
Eutoxeres heterura, p. 457, sp. n., from Central Ecuador, and *E. salvini*, p. 457, sp. n., from Veragua and Costa Rica.
1868. MILLINGTON, L. A. An albino Humming-Bird [*Trochilus colubris*?]. < *Am. Nat.*, ii, 1868, p. 110.
1868. MILLINGTON, L. A. An Albino Humming Bird [*Trochilus colubris*?]. < *Zoologist*, 2d ser., iii, 1868, p. 1343.
 From the "American Naturalist," April, 1868.
1868. SALVIN, O. [On the probable identity of *Heliomaster spectabilis* Lawr. (cf. *Ibis*, 1868, 115) with *Eugenes fulgens*.] < *Ibis*, 2d ser., iv, 1868, p. 251.
1869. BEULLOCH, —. El Pájaro-mosea [*Trochilus*]. < *La Naturaleza*, i, 1869, pp. 61-69.
 Traducido y anotado por D. Jesus Sanchez. "La primera noticia acerca de estas aves data del año 1558, y se encuentra en 'Las singularidades de la Francia antártica' (Brasil)".
1869. GOULD, J. Description of a New Genus and Species of the Family Trochilidae. < *P. Z. S.*, xxxvii, 1869, pp. 295, 296.
Oreonympha nobilis, p. 295, Tinta, Peru.
1869. GOULD, J. Descriptions of five new species of birds from Queensland, Australia; and a new Humming-bird from the Bahamas. < *Ann. Mag. Nat. Hist.*, 4th ser., iv, Aug., 1869, pp. 108-112.
 Not seen.—The Hummer is *Doricha lyrura*, p. 112; from Inagua, Dr. H. Bryant.
1870. ALLEN, J. A. [Identification of a specimen of *Trochilus colubris*.] < *Am. Nat.*, iv, 1870, p. 576.
1870. BAIRD, S. F. Agency of Humming-birds in fertilizing Plants. < *Harper's New Monthly Mag.*, xl, 1870, p. 940.
1870. ELLIOT, D. G. Description of a new Species of Humming-bird of the Genus *Chrysolampis* [*chlorolama*]. < *Ann. Mag. Nat. Hist.*, 4th ser., vi, 1870, p. 346.
1870. GOULD, J. [Remarks on a Collection of Humming-birds made by Mr. Buckley in Ecuador, and Descriptions of two new Species.] < *P. Z. S.*, xxxviii, 1870, pp. 803, 804.
Chaetocercus bombus, *Thalurania hypochlora*, p. 804, both from Citado, Ecuador; with list of 30 spp.
1870. GOULD, J. On a supposed new Species of Humming-bird [*Eustephanus leiboldi*] from the Juan-Fernandez Group of Islands. < *Ann. Mag. Nat. Hist.*, 4th ser., vi, 1870, p. 406.
1871. ELLIOT, D. G. Descriptions of two new Species of Humming-birds belonging to the Genera *Eupherusa* and *Cyanomyia*. < *Ann. Mag. Nat. Hist.*, 4th ser., viii, 1871, pp. 266, 267.
E. poliocerca, p. 266, Putla, Mexico; *C. viridifrons*, p. 266, Mexico.
1871. GOULD, J. Descriptions of six new Humming-Birds. < *P. Z. S.*, xxxix, 1871, pp. 503-505.
Helianthea osculans, *Heliangelus squamigularis*, p. 503; *Heliomaster albicrissa*, *Lesbia chlorura*, p. 504; *Eriocnemis russata*, *Polytmus leucorrhous*, p. 505.
1871. GOULD, J. On a new Species of Humming-bird belonging to the Genus *Spethura* [*solstitialis*]. < *Ann. Mag. Nat. Hist.*, 4th ser., viii, 1871, pp. 61, 62.
1871. JOHNSON, L. The Humming Bird [*Trochilus colubris*]. < *Am. Nat.*, v, 1871, pp. 309, 310.
 Notes of nidification at Bradford, Massachusetts.
1871. LAWRENCE, G. N. Descriptions of three New Species of American Birds, with a Note on *Eugenes spectabilis*. < *Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 137-140.
 The specific validity of *Eugenes spectabilis* reaffirmed.

1872. ELLIOT, D. G. Description of a supposed new Species of Humming Bird of the Genus *Eriocnemis*. < *Ibis*, 3d ser., ii, 1872, pp. 293-295.
E. dysclius, p. 294; list of 14 spp. of the genus.
1872. ELLIOT, D. G. The Humming-birds of the West Indies. < *Ibis*, 3d ser., ii, 1872, pp. 345-357.
 General characteristics of the trochilidine *Ornis*; synonymatic and critically annotated synopsis of 18 spp., with tabular view of their distribution in each of the islands.
1872. GOULD, J. Descriptions of two new Species of Humming-Birds. < *Ann. Mag. Nat. Hist.*, 4th ser., ix, 1872, pp. 195, 196.
Heliangclus micraster, *Chlorostilbon pumilus*, p. 195.
1872. GOULD, J. Description of three new Species of Humming-birds. < *Ann. Mag. Nat. Hist.*, 4th ser., x, 1872, pp. 452, 453.
Tolcama whitelyana, *Adelomyia chlorospila*, p. 452; *A. cervina*, p. 453.
1873. ANON. The Ruby-throated Humming Bird [*Trochilus colubris*]. < *Am. Sportsman*, iii, 1873, p. 54. See also p. 251.
1873. ANON. A Humming-bird Fight. < *Kingston [N. Y.] Freeman*, Sept. 5th, 1873.
 Between two individuals of *Trochilus colubris*. Quoted in *Am. Sportsman*, ii, 1873, p. 187.
- 1873? BOUCARD, A. Notes sur quelques Trochilidés. 8vo. pp. 16.
 Présentées à la Société linnéenne de Lyon, les 10 février 1873 et séances suivantes.
1873. GOULD, J. On a new Genus and Species [*Hylonympha macrocera*] of the Family Trochilidæ. < *Ann. Mag. Nat. Hist.*, 4th ser., xii, 1873, p. 429.
- 1873-77. MULSANT, E., and VERREAUX, E. Histoire Naturelle des Oiseaux-Mouches ou Colibris constituant la famille des Trochilidés. Par E. Mulsant et feu Edouard Verreaux. Ouvrage publiée par la Société Linnéenne de Lyon. Paris. 1873-77. 4 vols. 4to. Pub. par livr.
 I have only seen the first two livraisons, and therefore cannot give the full title and collation of this great work.—Vol. I, Livr. 1, 2, 1873; 3, 4, 1874: pp. i-vi, 1-343, pll. xv. Vol. II, Livr. 1, 2, 1875; 3, 4, 1876. Vol. III, Livr. 1, 2, 1876; 3, 4, —? Vol. IV, Livr. 1-4, —? It is said to have been completed in 1877. Cf. *Ibis*, 1874, pp. 453, 454.
1873. SALVIN, O., and ELLIOT, D. G. Notes on the Trochilidæ. The genus *Phaethornis*. < *Ibis*, 3d ser., iii, 1873, pp. 1-14.
 In this and subsequent papers of the same character, forming in effect a series, but with modified caption, the synonymy, distribution, and diagnoses are very elaborately treated, with much critical commentary, and lists of specimens examined. The present article treats in such manner of 14 spp. of the genus named.
1873. SALVIN, O., and ELLIOT, D. G. Notes on the Trochilidæ. The Genera *Pygornis*, *Glaucis*, and *Threnetes*. < *Ibis*, 3d ser., iii, 1872, pp. 269, 279.
Pygornis, 8 spp.; *Glaucis*, 1 sp.; *Threnetes*, 4 spp.
1873. SALVIN, O., and ELLIOT, D. G. On two Species of Trochilidæ of the Genus *Lophornis*. < *Ibis*, 3d ser., iii, 1873, pp. 279, 280.
L. gouldi; *L. stictolophus* (= *reginae* Gould, nec Schreibers), p. 280, sp. renom.
1873. SALVIN, O., and ELLIOT, D. G. Notes on the Trochilidæ. The Genus *Thalurania*. < *Ibis*, 3d ser., iii, 1873, pp. 353-361.
 11 spp., with 2 others not known to the authors.
1873. WHITELY, H. Notes on Humming-birds collected in High Peru. < *P. Z. S.*, 1873, pp. 187-191.
 Field-notes on 17 spp. For later notes see *tom. cit.*, p. 784, and *op. cit.*, 1874, p. 675.
1873. WHITELY, H. Additional Notes on Humming-birds collected in High Peru. < *P. Z. S.*, 1873, p. 784.
 Field-notes on 5 spp. For other notes see *tom. cit.*, p. 187, and *op. cit.*, 1874, p. 675.
1874. ELLIOT, D. G. Description of an apparently new Species of Bird belonging to the Family Trochilidæ, of the Genus *Eucephala*. < *Ibis*, 3d ser., iv, 1874, pp. 87-89.
E. subcaerulea, sp. n. List of 9 spp. of the genus.
1874. ANON. The Pugnacity of the Humming Bird. < *Am. Sportsman*, iii, 1874, p. 251. See also Vol. II, 1873, p. 187.

1874. ELLIOT, D. G. Remarks on some Typical Specimens of the Trochilidæ, with a Description of one new Genus. < *Ibis*, 3d ser., iv, 1874, pp. 261-264.
A. von Pelzel's types from the Vienna Museum. *Ptochoptera*, p. 261, gen. n., based on *Thaluranian iolæna* Pelz. The other species remarked upon are *Cephalepis beekii*, p. 262; *Argyria meliphila*, p. 263; *A. media*, p. 263; and *Thaluranian lerehi*.
1874. ELLIOT, D. G. Notes on the Trochilidæ. The Genus *Helianthus*. < *Ibis*, 3d ser., iv, 1874, pp. 330-335.
8 spp. critically treated.
1874. "H. A." The Humming Bird [*Trochilus colubris*] and her Nest. < *Am. Sportsman*, iii, 1874, p. 381.
Bird protected its nest during a storm by leaves temporarily fastened above it.
- 1874-75. OCA, R. M. DE. Ensayo ornitológico de la familia Trochilidæ o sea de los Colibries o Chupamirtos de Mexico. < *La Naturaleza*, iii, 1874, pp. 15-31, 59-66, 99-106; iii, 1875, pp. 159-167, 203-211, 299-304; 12 láminas.
Also separate, 1 vol., 4to, Mexico, 1875, q. v.
1874. PARTRIDGE, I. H. Humming-Birds. < *Pop. Sci. Monthly*, July, 1874, pp. 277-287, figg. 1-5.
General popular account.
1874. "READER." A Tame Humming Bird [*Trochilus colubris*]. < *Am. Sportsman*, iv, 1874, p. 75.
1874. S[CLATER], P. L. [List of seven species of Trochilidæ procured by Mr. H. Whitely in High Peru.] < *P. Z. S.*, Dec. 1, 1874, p. 676.
Merely a foot-note to one of Mr. Whitely's articles on Peruvian *Trochilidæ*.
1874. VILLADA, M. M. Troquilideos [*Trochilidae*] del valle de México—su descripción y sinonimia adoptada por el profesor Jhon [sic] Gould, con algunas notas sobre sus costumbres. < *La Naturaleza*, ii, 1874, pp. 339-369, pl. 1.
1874. WHITELY, H. Further Notes on Humming-birds collected in High Peru. < *P. Z. S.*, Dec. 1, 1874, pp. 675, 676.
On the habits of *Lesbia nuna*, *Acestrura mulsanti*, *Oreonympha nobilis*, and *Bourcieria inca*. Note by P. L. S[clater] giving list of seven spp. collected by Mr. Whitely in High Peru. For Mr. Whitely's earlier notes see *P. Z. S.*, 1873, pp. 187 and 784.
1875. ELLIOT, D. G. Notes on the Trochilidæ. The Genera *Chlorostilbon* and *Panychlora*. < *Ibis*, 3d ser., v, Apr., 1875, pp. 149-172.
Monographic; much criticism, synonymy, &c. *Chlorostilbon*, 8 spp. *Panychlora*, 3 spp.
- 1875? BOUCARD, A. Notes sur les Trochilidés du Mexique. 8vo. pp. 16.
Présentées à la Société linnéenne de Lyon, le 11 janvier, 1875.—P. 14, Liste générale des Trochilidés du Mexique; p. 15, Errata de ses premières notes (1873).
1875. Mulsant, E. Catalogue des Oiseaux-Mouches ou Colibris. Lyons, Paris and London. 1875. 8vo. pp. 32.
Not seen. According to the *Zool. Rec.*, a number of new generic names occur in this list, some but not all of which were afterward characterized in the same author's *Hist. Nat. des Ois.-Mouches*, then in course of publication. They are as follows: *Alsosia*, p. 17; *Amalsia*, p. 29; *Aurinia*, p. 27; *Calligenia*, p. 20; *Dialia*, p. 27; *Eudusia*, p. 20; *Eudusia* (bis), p. 32; *Engyete*, p. 21; *Eupogonius*, p. 26; *Helymus*, p. 23; *Himalia*, p. 28; *Himelia*, p. 7; *Hypolia*, p. 17; *Idas*, p. 27; *Levinia*, p. 24; *Leucaria*, p. 29; *Lisoria*, p. 11; *Methon*, p. 7; *Myrmia*, p. 32; *Mytina*, p. 28; *Nania*, p. 21; *Niche*, p. 21; *Nodalia*, p. 23; *Peratus*, p. 23; *Pholoe*, p. 22; *Polyplaneta*, p. 17; *Saturia*, p. 21; *Sericotes*, p. 15; *Timolia*, p. 23; *Tricholopha*, p. 27.
1875. OCA, R. M. DE. Ensayo ornitológico | de los | Troquilideos ó Colibries de México | por Rafael Montes De Oca | Miembro de la Sociedad Mexicana de Historia Natural, Profesor de Dibujo, | Pintura en Cristal, é idiomas | publicado | con la proteccion del Ministerio de Fomento | Inter folia fructus | Mexico | imprenta de Ignacio Escalante, | Bajos de San Agustin num. 1. | — | 1875. 1 vol. 4to. 2 p. ll. (title and dedication), pp. 1-58 (text), 1 l. (index); portrait of author (frontisp.), and 46 figg. col'd on 12 pll. (Separate from *La Naturaleza*, iii, 1874-5.)
Introduccion, pp. 1-4: idea general de dichas aves y nso que hacen de sus plumas los antiguos Mexicanos, pp. 5, 6; descripción de los Colibries que se encuentran en México (48 especies), pp. 6-58; Indice, pp. 59, 60.

1876. COOPER, J. G. Early Nesting of the Anna Humming-Bird [*Calypte anna*]. < *Am. Nat.*, x, No. 1, Jan., 1876, pp. 48-50.
1876. ELLIOT, D. G. Remarks on some Type Specimens of Trochilidæ from the Museums of Nenchâtel and Florence. < *Ibis*, 3d ser., vi, No. xxi, Jan., 1876, pp. 5-11.
Bourcieria insectivora (Tschudi). *Heliodoxa leadbeateri* (Bourc.). *Leucippus leucogaster* (Tschudi).—*Mollisuga judith*, Benv.=*Paroplitus flavescens*. *M. salvadorii*, Benv.=*Cyananthus cyanurus* ♀. *M. ridolfii*, Benv.=*Eriocnemis vestita* ♀.
1876. ELLIOT, D. G. Notes on the Trochilidæ. The Genus *Lampropygia*. < *Ibis*, 3d ser., vi, Jan., 1876, pp. 54-60.
 Critical notes on 7 spp. *L. columbiana*, p. 57, sp. n.
1876. ELLIOT, D. G. Notes on the Trochilidæ. The Genera *Cyanomyia* and *Heliothrypha*. < *Ibis*, 3d ser., vi, July, 1876, pp. 311-319.
 Of the former 7 and of the latter 3 spp. are distinguished, with synonymy and criticism.
1876. ELLIOT, D. G. Notes on the Trochilidæ. The Genera *Heliothrix*, *Calliphlox*, *Catharma* [g. n.], and *Petasophora*. < *Ibis*, 3d ser., vi, Oct., 1876, pp. 394-407.
Heliothrix, 3 spp.; *Calliphlox*, 2 spp.; *Catharma*, 1 sp.; *Petasophora*, 6 spp.; with synonymy, diagnosis, and criticism.
1877. BEAL, W. J. Fertilization of Flowers by Birds [i. e., by *Trochilus colubris*]. < *Am. Nat.*, xi, No. 12, Dec., 1877, p. 754.
1877. BOUDWIN, G. The ruby-throated humming bird [*Trochilus colubris*]. < *Forest and Stream*, viii, June 7, 1877, p. 280.
 Account of the nidification.
1877. ELLIOT, D. G. Review of the Specimens of Trochilidæ in the Paris Museum, brought by D'Orbigny from South America. < *Ibis*, 4th ser., i, 1877, pp. 133-142.
 D'Orbigny's were among the most important of the earlier collections of these difficult birds, and the present paper, drawn up from their examination, is specially valuable. Comparatively few of the species, described as new by D'Orb. and Lafr., stand, most being provided with earlier names by Vieillot, Lesson, etc. *Thaumatias neglectus*, sp. n., p. 140 = *Orniomya bicolor* D'Orb. & Lafr. Upwards of 30 spp. are accounted for.
1877. ELLIOT, D. G. [*Amazilia lucida*, sp. n.] < *Ann. Mag. Nat. Hist.*, 4th ser., xx, 1877, pp. 404 — —.
 Not seen. Cf. *Ibis*, 1878, p. 113.
1877. ELLIOT, D. G. Remarks on *Selasphorus alleni*, Henshaw. < *Bull. Nutt. Ornith. Club.*, ii, No. 4, Oct., 1877, pp. 97-102. 2 figs.
 Contends that *S. alleni* is the true *S. rufus* Gm., and names *S. henshawi* (p. 102) what Henshaw had considered to be *S. rufus*. Cf. *op. cit.*, iii, 1878, p. 11.
1877. HENSHAW, H. W. Description of a new species of Humming-Bird from California. < *Bull. Nutt. Ornith. Club.*, ii, No. 3, July, 1877, pp. 53-58, 2 figs.
Selasphorus alleni, p. 53, compared at much length with *S. platycercus*.
1877. HENSHAW, H. W. Notes on the Habits of the Green-backed California Humming Bird. *Selasphorus Alleni*, (Henshaw). < *Field and Forest*, iii, No. 6, Dec., 1877, pp. 95-98.
1877. LAWRENCE, G. N. Note on *Doricha enicura* (Vieill). < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, p. 108, 109.
 The so-called "*Doricha enicura* (Vieill.)," which had been ascribed to the U. S., proves to have been *Calothorax lucifer* (Sw.) ♀. See Henshaw, *Amer. Sportsm.*, v, Feb. 20, 1875, p. 328, and *Rep. Expl. W. 100th Merid.*, Vol. V, p. 381.
1877. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Trochilidæ and Tetraonidæ. < *Ann. N. Y. Acad. Sci.*, i, Dec., 1877, pp. 50-52.
Sporadinus bracei, p. 50, Bahamas; *Orthorhynchus emigrans*, p. 51, Venezuela; *Cyrtonyx sumichrasti*, p. 51, Tehuantepec. (Cf. *Ibis*, 1878, p. 468.)
1877. MERRILL, J. C. A Humming Bird [*Amazilia cerviniventris*] new to the Fauna of the United States. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 26.

1877. Mulsant, E. Description d'une espèce nouvelle de Trochilidé. < *Ann. Soc. Linn. Lyon*, Oct. 12, 1877, pp. — — —.
- Not seen. *Arinia* (g. n.) *boucardi*, p. —, Costa Rica. Cf. *Ibis*, 1878, p. 469.
1877. SALVADORI, T. Description of a . . . and of a new Humming-bird of the Genus *Heliangelus*. < *Ibis*, 4th ser., i, July, 1877, pp. 337-339.
- The Hummer here described is *Heliangelus tuczanowskii*, p. 338, from Bogotá (Münsherg).
1877. [SCLATER, P. L., and SALVIN, O.] Mulsant's 'Histoire Naturelle des Oiseaux-Mouches.' < *Ibis*, 4th ser., i, Apr., 1877, p. 244.
- Review of parts of that work. Cf. *Ibis*, 1875, p. 510.
1878. ALLEN, C. A. An Albino Anna Humming-Bird [*Calypte anna*]. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 192, 193.
1878. COUES, E. Nest and Eggs of *Selasphorus platycercus*. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 95.
- Communicated by E. A. Barber.
1878. ELLIOT, D. G. Notes on the Trochilidæ. The Genus *Thaumatias*. < *Ibis*, 4th ser., ii, Jan., 1878, pp. 35-53.
- One of the most extensive and important of this writer's numerous critical reviews of Hummers, analyzing and describing no fewer than 21 spp. which he considers to belong here, among them *T. nigricauda*, p. 47, and *T. nitidicauda*, p. 48, spp. nn. The author considers that these birds should be called by Reichenbach's name of *Argyrtia*; a view from which the editors dissent.
1878. ELLIOT, D. G. Description of a new Species of Humming-bird, from Mr. Gould's Collection, belonging to the Genus *Iolama* [*luminosa* Gould MS.]. < *Ibis*, 4th ser., ii, No. 6, Apr., 1878, p. 188.
1878. HENSHAW, H. W. Additional Remarks on *Selasphorus alleni*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 11-15.
- Defends and re-establishes his original position respecting *S. rufus* and *S. alleni*. Cf. *op. cit.*, 1877, pp. 53 and 97.
1878. RIDGWAY, R. On a new Humming Bird (*Atthis ellioti*) from Guatemala. < *Proc. U. S. Nat. Mus.*, i, 1878, pp. 8-10, 2 figg.
- The new species is carefully compared with its nearest relative, *A. heloise*, the characters and synonymy of which are also given; and both are figured in outline in the cuts.
1879. A[LLEN], J. A. Elliot's Synopsis of the Trochilidæ. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 230-232.
- Review of that work.
1879. BALLOU, W. H. A Hummer's [*Trochilus colubris*] Meal. < *Am. Nat.*, xiii, No. 2, Feb., 1879, p. 127.
- Lapping sirup "as a dog would lap water."
1879. BURROUGHS, J. Does the Humming-Bird [*Trochilus colubris*] sing? < *Science News*, i, No. 5, Jan. 1, 1879, p. 89.
- Answered affirmatively by "an intelligent Vermont lady."
1879. DALL, W. H. On the Use of the generic Name *Gouldia* in Zoology. < *P. Z. S.*, Feb. 4, 1879, pp. 131, 132.
- Not available in Ornithology, being preoccupied in Conchology. Another genus of *Trochilidæ*, *Italia* M. & V., is in like case. *Doryfera* is antedated by *Doryphora*. (*Glaucus* Bruch, *Larideæ*, and *Gnathodon* Jardine, *Columbidæ*, both also preoccupied in mollusks.)
1879. ELLIOT, D. G. Smithsonian Contributions to Knowledge. | — 31* — | A | Classification | and | Synopsis of the Trochilidæ. | By | Daniel Giraud Elliot, F. R. S. E., Etc. | — | Washington City: | published by the Smithsonian Institution. | [March, 1879.] 4to. cover-title, pp. i-xii, 1-277, figg. 1-127. (Forming a part of Vol. xxiii of the *Smiths. Contr. Knowl.*)
- The above is the cover-title; the regular title is the same, excepting the words "[March, 1879.]", in place of which is "[Accepted for publication, January, 1878.]". Printed at Philadelphia, by Collins. Title and preface, pp. i-vi; contents, pp. vii-xii; main text, pp. 1-248, with 127 figures. Appendix: key to the 120 genera, pp. 249-256. Index of 120 genera adopted, pp. 257, 258; index of 339 generic names mentioned, pp. 259-262; index of 426 species adopted, pp. 263, 268; index of 880 specific names mentioned, pp. 269-277. Apr., 187 to p. 8; July,

1879. ELLIOT, D. G.—Continued.

1878, to p. 40; Aug., 1878, to p. 80; Sept., 1878, to p. 136; Oct., 1878, to p. 144; Nov., 1878, to p. 160; Dec., 1878, to p. 208; Jan., 1879, to p. 248; appendix and furnishings, March, 1879.

This great work treats formally of the genera and species of the family, giving extensive synonymy, description, habitat, and general comment in nearly every case. It is evidently prepared with care, by one exceptionally familiar with a subject so fascinating and so peculiarly difficult as is that of the present family. It is a monograph in a high sense of that term, and one which places the matter in a state more satisfactory than that in which it had been left by Gould and other leading specialists.

The author recognizes 120 genera in this family, making a very judicious reduction in number from the 339! generic names mentioned in the work; no fewer than 219 being reduced to synonyms. In like conservative manner, the species regarded as valid are 426 in number, out of 880 nominal ones which the author accounts for, leaving 454, or more than half, as synonyms. Such treatment as this is *prima facie* evidence of the merit of the author's work and trustworthiness of his results; for a similar reduction of nominal species is the usual result of a critical study of the current lists of species and genera in nearly every group in ornithology. There is a running commentary through the work on the systematic position and relations of the generic forms; and analyses of the species of each genus, greatly facilitating their determination.

Nearly all the genera, at least, and some of the leading specific forms, are illustrated by outline figures of head, wing, and tail, showing details of external form. There are 127 such figures, or, on an average, a little more than one to each genus treated.

The author's previous study of this group may be inferred from the list of 15 papers, either by himself alone or in joint authorship with Salvin, published in the *Ibis*, 1872-1878 (see above for these). These papers discuss, more at length than the present Synopsis does, the occasion for many of the author's conclusions, particularly in the matter of nomenclature and synonymy.

New names proposed are: *Floricola*, p. 82, *Callipharus*, p. 211, and *Iache*, p. 234, *genu. nn.*; *Petasophora rubrigularis*, p. 51, and *Bourcieria assimilis*, p. 78, *spp. nn.*

Extracts from the Preface will further elucidate the plan and scope of the work:—"In the following Synopsis I have given every species of Humming-bird known to me, that in my opinion is entitled to a separate rank, and even of these, it is possible that future information will compel us to place some of them among the synonyms of others. Although the Family contains a certain number of groups, composed of species having more or less relationship with each other, I have not seen my way very clear to the recognition of any subfamilies as has been done by other writers. . . . In the present Synopsis, the recognition of genera has been carried to the farthest limit that seemed practicable, and in every case it has been attempted to give structural characters for the genera which have been acknowledged. . . . The arrangement here given of the species composing this Family is, I am aware, very different from all those heretofore proposed. It is not, however, the result of guess or imagination, but has been arrived at by a careful comparison of the different species themselves, for of the 426 acknowledged as distinct in this Synopsis, about 380 are continued in the great collection, by the assistance of which this book has been written, and of the remaining ones, with but few exceptions, I have carefully examined the types. . . . In the present work, both Genera and Species have been critically examined, and it has been found necessary to make some important and very unexpected changes, especially in the first of these divisions; but it is believed that in every instance a satisfactory explanation is given for thus deviating from the course, which, when judged by the law of priority, had been ascertained to be incorrect, although perhaps sanctioned in some degree by custom. . . . The synonymy is that which, in the majority of cases, refers to a passage in the work cited, that gives some desirable information regarding the species. . . . The chief exceptions to this are the lists of Bonaparte and Reichenbach, which, on account of the many genera first proposed in them, could not be passed over. The value of synonymy has not been deemed to consist in its great length.—The same may be said of the descriptions of the species. Usually one of a genus has been pretty thoroughly described, but I have thought it best, in the majority of cases, to give simply the differences that may exist in allied species. . . . The asterisk, placed before the names of certain species indicates that it [*i. e.*, the species in mention] is not contained in my collection. . . . The drawings which illustrate the generic characters, are with few exceptions, all made from specimens contained in my collection." And I may add, as the author omits to do so, that that they were all drawn by Mr. R. Ridgway.

This "Classification and Synopsis of the Trochilidæ" is likely to supplant previous monographs as the leading authority on the subject.

1879. SCLATER, P. L. [*Thammasius taczanowskii*, g. sp. n., Pern.] < *P. Z. S.*, Feb. 18, 1879, pp. 145, 146.

The genus *Thammasius*, though intended as an emendation of *Thaumantias*, is in effect a new genus: see *Ibis*, 1879, p. 451.

1879. [SCLATER, P. L., and SALVIN, O.] Elliot's Classification of the Trochilidæ.

< *Ibis*, 4th ser., iii, Oct., 1879, pp. 479, 480.

Notice of the work.

ADDENDUM TO TROCHILIDÆ.

Trochilidæ literature is extensive, and most of it is "special"—that is, represented by books and papers exclusively devoted to this group of birds. Hummers are very peculiar birds, and their study may almost be said to form a particular department of ornithology—in fact, the word "Trochilidist" has been coined to designate those who pay special attention to this branch of the science: and there are few ornithologists who, however great their general acquirements, can be considered experts in this study. As the plan of this Bibliography, consequently, permits an exceptionally complete exposition of Trochilidæ literature, certain points which appear upon consideration of the whole subject may not improperly be here noted, as preliminary to the list of the genera of Hummingbirds with which this Addendum concludes.

Hummers were of course unknown to the ancients, whose *τροχιλος* or *trochilus* is believed to have been one of the Plovers (*Charadriidæ*). Misled by the false analogy of small size, slender bill, and glittering plumage, some comparatively modern authors have confounded these exclusively American birds with certain Old World forms, as the *Cinnyridæ* for instance. But as a rule the *Trochilidæ* have been recognized as one of the most perfectly circumscribed groups in ornithology. The literature of the subject dates back to the "heroic age": the first mention of any bird of this family is said to have been made in 1558, and can scarcely have been earlier. Scattered notices of such birds appeared in various works relating to America during the remainder of the xvi. and the whole of the xvii. century; but it was not until toward the close of the latter that special papers upon the subject appeared: the oldest one which I have seen dating 1693, when Hamersley* described the "American Tomineius" in the *Philos. Trans.* The xviii. century gave us almost nothing of this kind; but notices multiplied in various historical, geographical, and narrative works relating to America: while during the latter half of this century—that is to say, in the Linnean period—several formal accounts of *Trochilidæ* formed a part of the systematic treatises on ornithology; notably, those of Linnaeus, Brisson, Buffon, Gmelin, and Latham; but the sum is small, and the substance meagre, of all that was learned of the birds prior to 1800.

In 1758, when Linnaeus applied his system consistently to birds, in the x. ed. of the *Syst. Nat.*, he used the classic word *Trochilus* for a genus coextensive with the modern family *Trochilidæ*, and catalogued 18 species, mostly based upon descriptions or figures furnished by Seba, Brown, Sloane, Catesby, Edwards, Clusius, and Albin; with references also to the *Mus. Ad. Fr.* In the xii. ed., 1766, this number was increased to 22, with many additional references, as to Marcgrave, Willughby, Ray, and especially Brisson.

In 1760, the last-named famous ornithologist gave us what may be deemed the first extended, or in any sense "monographic" account of *Trochilidæ*. Studiously collating the already numerous notices scattered through works of the character I have mentioned, as well as through the illustrated and other natural history treatises of his predecessors in ornithology, he was enabled to describe with his customary elaboration no fewer than 36 species, and to present a copious bibliography. He also made the first tenable genera of Hummers after *Trochilus*, dividing the whole family into two groups, *Polytmus* and *Mellisuga*—one containing large species with curved bills, the other small species with straight bills. In this action of Brisson's we see the origin of the curious fashion which so long endured among French writers—that of distinguishing "Colibris" from "Oiseaux-mouches" among *Trochilidæ*. It is also notable as the starting-point of a generic subdivision of the group which was destined at length to reach the farcical and scandalous extreme of some 350 genera for few more than 400 known species.

In 1779, Buffon adopted the same two divisions of "Colibris" and "Oiseaux-mouches," presenting 19 species of the former, and 24 of the latter group; a total of 43 *Trochilidæ*. If we except the mere naming and describing of some additional species by Gmelin and Latham, nearly all that had been learned of the birds up to the close of the last century was reflected in the works of these two famous French authors.

In 1788, the industrious but indiscriminate and incompetent compiler of the xiii. ed. of the *Syst. Nat.* produced a total of 65 species of *Trochilus*. None were described except at second-hand, but to many of them binomial names were first affixed. Two years afterward 65 species of *Trochilus* were recorded in the *Ind. Orn.* of Latham.†

We are thus brought, by the stepping-stones, of but few works requiring special mention here, to the opening of the xix. century, which saw Audubon and Vieillot's luxurious work, *Ois. Dorés*; perhaps the first ornithological work which undertook to reproduce metallic reflections of plumage. The feathery Iris of these exquisite creatures is always fascinating, and there are no more favorable subjects for glittering plates. The work, indeed, was not exclusively a monograph of the Hummers,

* By a clerical error, and my own oversight, this paper stands accredited to Dr. Grew. Winthrop's earlier (1671) paper in the same *Trans.* does not relate exclusively to the Hummingbird.

† The viii. vol., 1812, of Shaw's *Gen. Zool.*, gave 70 species of *Trochilus*.

but the *Histoire Naturelle des Colibris et des Oiseaux-mouches* formed a large part of the undertaking. Scientific names were not used in the *Ois. Dor.*; but a technical nomenclature of the subjects of the work was furnished by Vieillot in 1817.

The first great illustrated work on Hummers exclusively was Lesson's, published in parts, from 1829 to 1832, the parts being afterward grouped in three separately titled volumes. This author described and figured in colors upward of 100 (about 110) species, many of which were actually new, and to many more of which new names were given. A very few genera, additional to or in place of Brisson's, had meanwhile been proposed; but Lesson was the first to introduce any considerable number of new generic names. Many of those, however, which Gray and others have since cited as generic, were certainly not used or intended as such by Lesson, being simply vernacular designations of certain "tribes" and "races" among which he distributed the *Trochilidæ*: such words as "Bleuets" and "Queues étroites", for example. French authors were (and I think many of them still are) such sinners in spelling, that it is not always easy to say what words of theirs they would have us take as technical. Possessing a copious and voluble vocabulary, largely supplemented by gesture-speech, or shrug-language, and violating in their articulation the usual powers of written characters, they not only acquired a trick of Gallicizing technical words, but they also cultivated a characteristic habit of rising superior to orthography. If Vieillot could write *Oripisrina* for *Cryptorhina* without flinching, we need not wonder that Lesson invented *Ornismya*, which he defended as against *Ornithomyia*, or that some of his successors reached the height of *Ornysmia*!

The Hummers have always been objects of study peculiarly agreeable to French ornithologists. Their daintiness, so to speak, seems to suit the national genius. French literature, therefore, figures in the written history of these birds to an extent greater than that observable in any other family of birds. About the time we have reached, however, several English names became prominent in the present connection: as those of Swainson, Vigors, Loddiges, and especially Jardine—for Gould had not then begun the work which was afterward to identify his name with Trochilidæ literature. Swainson had already classified the Hummers as a part of his general scheme, describing some new species and establishing certain genera. In 1833, and thus upon the heels of Lesson's memoirs, Sir William Jardine prepared his monography, to the valuable and agreeable text of which Lizars contributed beautiful illustrations. The home of the Hummers was heard from the same year in La Llave's *Memoiria*; and Schreibers's *Collectanea* of same date consisted only of these birds. From this time until the beginning of Gould's great work in 1849 appeared no monographic treatise on *Trochilidæ*. But the period was one of great activity, among both English and French writers; the accumulation of material was rapid and incessant, and many papers of these years described new genera and species, though too often hastily and inadequately. In England, Gould and Fraser were busy with their materials. In France, the writings of Lesson continued; Bourcier became prominent in the number of his papers; while Boissonneau, De Lattre, Gervais, Longuemare and others made their respective contributions. This was the period of accumulation rather than of elaboration; numberless new names were introduced, but among them were many synonyms, both generic and specific; little or no systematic revision of the subject being effected, unless Gould's *Draft Arrangement*, the precursor of his *Monograph*, be considered of such character.

The thirteen years, 1849-61, during which Gould's work was pending, marked the next period in the history of the subject. The preparation of this great work held its author, already recognized as the leading Trochilidist, to his subject; and the appearance of successive parts served as a continual stimulus to others to move in the same direction. The author published many papers describing cursorily new objects about to be depicted in his magnificent folios; and several French ornithologists, notably Bourcier and Mulsant, were little behind him in this respect. The period was also marked by the appearance in England of Martin's *General History*, in some sense a continuation of Jardine's work. It was furthermore characterized by the malignant epidemic which we may call the genus-itch; which broke out simultaneously in 1849, from two foci of contagion, in France and in Germany, and proved disastrous in the extreme. The infection reappeared in an aggravated form in 1854, and Trochilidæ literature has never entirely recovered from its effect.

Many genera of Hummers, notably Swainson's, Lesson's, and Gould's, had been found acceptable, and, indeed, necessary; but the most embarrassing results attended the steps of some authors who coined names on the glancing of a feather in this beautiful group of birds. As just stated, serious difficulty began in 1849, in those parts of Bonaparte's *Conspectus* and of Reichenbach's *Systema* which treat of *Trochilidæ*; and in 1854 each of these authors increased it immeasurably, the one in his *Tableau*, the other in his *Aufzählung*. But I have on previous pages sufficiently commented upon this matter.

The completion of Gould's splendid monument closed this period of accumulation. The subject had grown rapidly, and had become unmanageable. Some authors had simply amused themselves in "playing chess" with the names of Hummers, and many had pressed forward with new species upon insufficient examination of known material, or inadequate regard for what others had published. The fog of synonymy had completely enveloped the subject. It was hazardous to enter it, and it seemed almost hopeless to attempt to lift it. The *Monograph* represented, therefore, rather a broad and secure basis for future investigation than any final accomplishment. It gave a series of 360 colored plates of about as many species, real or nominal, with accompanying descriptive letter-press: other species added in the *Introduction* raising the total to 416, referred to 123 genera. But many new names, generic and specific, were still to see the light; many others were to sink into synonymy: the nomenclature was

till shifting; in short, studious and judicious systematic revision of the whole subject was imperatively demanded. If Gould's work made this necessity apparent, it also immeasurably contributed to the desired result.

Previous to this Gouldian period American writers did next to nothing for the special literature of the family; but during this time, and subsequently, many new species were described by Lawrence. In 1860, and therefore just before the period closed, Germany brought a fascicle of the *Museum Heineanum* to bear upon the subject, many new genera, and some new species being described by Cabanis and Heine. In 1863, the *Trochilidica* of the last-named author appeared in the *J. f. O.*, with a similar result. In 1866, MM. Mulsant and Verreaux's *Essai d'une Classification Méthodique* appeared as the precursor of a more elaborate work then contemplated, containing fresh accessions to the number of genera with which the family was destined to be burdened, and a rearrangement of the whole group. This decade, 1861-70, saw also a fair number of minor papers, calling, however, for no special remark here. It represented flood-tide in the mere describing of species, and their rearrangement in futile genera; the ebb necessarily followed.

The state of the case at that moment was faithfully reflected in Gray's *Handlist*. This catalogued 469 species, real or nominal, distributed in 163 genera or subgenera, and carrying a load of synonymy amounting in the aggregate to perhaps 800 specific and 300 generic names. This, it will be remembered, is irrespective of the endless combinations of generic and specific names, which, were they counted, might represent a total of several thousand binomial names which have been imposed upon a family of birds consisting of few more than 400 known species, conveniently referable to about one-fourth as many modern genera!

Such a state of things as this inevitably tended toward a healthy reaction; and during the last decade, the accessions of new names have been fairly offset by the reduction of others to synonyms. It is true that the *Histoire Naturelle des Oiseaux-Mouches* of MM. Mulsant and Verreaux, and M. Mulsant's *Catalogue*—these being among the most notable publications of this period—can scarcely be regarded as tending in this direction, viewing the many additional new names which they present. Having seen neither of these treatises, I cannot judge of their claims to be considered as advancing or improving the science. But it cannot be doubted that the patient and faithful study which Messrs. D. G. Elliot and O. Salvin have of late applied to the amelioration of Trochilidina affairs has done much toward the needed reform. These skilful ornithologists have published numerous papers reviewing different groups of Hummers, under the most advantageous circumstances as regards handling material and examining literature; and their criticisms have been of the greatest service, not only in defining genera and species, but in sifting synonymy and settling nomenclature. Mr. Elliot's labors have borne their final fruit in his *Classification and Synopsis of the Trochilidae*. However qualified a success the experts may conclude this performance to be, it is certainly a great boon to the working ornithologist, and a faithful reflection of the present state of our knowledge respecting the exquisite creatures to the elucidation of whose history it is devoted.

With this rapid glance at the origin, progress, and present state of Trochilidina literature, I pass to an alphabetical Index of the Genera of Trochilidae, the preparation of which has given me no little trouble. I shall not regret the drudgery, however, if the list of names shall seem to bear out and justify the remarks in which I have indulged on this point, and be of any practical use to the working ornithologist. I have taken great pains to make the list complete and accurate, having personally made or verified very nearly every reference, excepting those of Mulsant and Verreaux's *Histoire Naturelle*, and Mulsant's *Catalogue*.

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Cypselidæ.

1793. BRUYN, S. J. A Letter on the Retreat of Swallows [*Chaetura pelagica*], and the Torpid State of certain Animals, in Winter. < *Mem. Amer. Acad. Arts and Sci.*, ii, 1793, pp. 96-99.

This is the earliest notice I have seen of the now well-known fact that immense collections of the bones, feathers, and excrement of Swifts are occasionally found in hollow trees to which the birds have been wont to resort by thousands for a series of years. A late anonymous writer (very well known to me, however,) in the *N. Y. Independent* of Oct. 7, 1875, has a paragraph on the subject, in which he seems inclined to believe that our Chimney Swift may not impossibly hybernate in such retreats. See also 1853, THOMPSON, Z.

1817. S. B. D. To the editors of the American Monthly Magazine. < *Am. Month. Mag.*, ii, 1817, p. 32.

On the débris of *Chaetura pelagica* in hollow trees.

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1826. JENNER, —. Annual return of migrating Birds to the same spot. < *Sillim. Am. Journ. Sci.*, x, 1826, p. 192.

From *Brewster's Journal*.

1839. TOWNSEND, J. K. Description of a New Species of *Cypselus* [*Cypselus vauuxii*] from the Columbia River. < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, p. 148.

Citators of this bird's name may observe that Townsend did not call it *Cypselus vauuxii*.

1841. JOHNSON, H. *Chaetura ruficollis* [n. sp.]; Cayenne. < *Ann. Mag. Nat. Hist.*, vii, 1841, p. 351.

1845. BRYDGES, H. J. J. Description of a supposed new Swift. < *Zoologist*, iii, 1845, p. 939.

From Jamaica. Not named.

1848. STREUBEL, A. B. Die Cypseliden des Berliner Museums. < *Oken's Isis*, Bd. xli, 1848, pp. 348-373.

Monographisch bearbeitet.—*C. parvus* (Licht.), p. 351; *C. caffer* (Licht.), p. 352; *C. abessynicus*, p. 354, sp. n. *Pseudoprogne*, g. n., p. 357. *Hemiprogne torquata*, p. 342, sp. n.; *H. temminckii*, p. 368, sp. n.; *H. fumigatus*, Natt. MS., sp. n., p. 366. *Cypseloides*, g. n., p. 366; *Salangana*, g. n., p. 368; *Chelidonia*, g. n., p. 370; *Hemiprogne fucivora*, p. 369.

1853. THOMPSON, Z. [Remarks on exhibition of a mass of débris of *Chaetura pelagica* from interior of a "Swallow tree" in Vermont.] < *Proc. Boston Soc. Nat. Hist.*, iv, 1853, p. 299.

1857. KENNERLY, C. B. R. Description of a new Species of *Cypselus* [*C. borealis*] collected on the North Western Boundary Survey, Archibald Campbell, Esq., Commissioner. < *Proc. Acad. Nat. Sci. Phila.*, ix, 1857, pp. 202, 203.

1863. SALVIN, O. [*Panyptila sancti jerome*, sp. n.] < *Ibis*, v, 1863, p. 239.

Cf. *Panyptila sancti hieronymi*, P. Z. S., 1863, p. 190, pl. 23.

1863. SCLATER, P. L. On the American Spine-tailed Swifts of the Genus *Chaetura*. < *P. Z. S.*, xxvi, 1863, pp. 98-102, pl. xiv, fig. 1.

Synonymatic and diagnostic synopsis, with criticism, of 8 spp. *C. cintriventris* is figured.

1865. SCLATER, P. L. Notes on the genera and species of Cypselidæ. < *P. Z. S.*, 1865, pp. 593-617, figg. 1-10, pll. xxxiii, xxxiv.

This notable article opens with an account of the structure of the sternum and digits in various species of the family, illustrated with ten figures. The family is divided into two subfamilies, *Cypselinæ* and *Chaeturinæ*, the former having the tarsi feathered, and the ratio of the phalanges abnormal; the latter with the opposite of these characters. The species of *Cypselinæ* are all referred to the two genera *Cypselus* and *Panyptila*, the latter exclusively American. The *Chaeturinæ* are divided into four genera, *Chaetura*, *Cypseloides*, *Collocalia*.

Bull. v, 4—12

1865. SCLATER, P. L.—Continued.

and *Dendrochelidon*. Forty-eight species, two of them new, are reviewed, with synonymy, diagnosis, habitat, and criticism, as follows:—

CYPSELINÆ. I. *Cypselus*. A Old World. a. Fork-tailed. 1. *C. melba*. 2. *C. æquatorialis*. 3. *C. apus*. 4. *C. pacificus*. 5. *C. leuconyx*. 6. *C. unicolor*. 7. *C. caffer*. 8. *C. parvus*. 9. *C. batassiensis*. 10. *C. infumatus*, sp. n., p. 602, Borneo. b. Even-tailed. 11. *C. subfurcatus*. 12. *C. affinis*. B. New World (*Tachornis*). 13. *C. phænicobius*. 14. *C. squamatus* (pl. 33). 15. *C. andicola*. 16. *C. montivagus*. II. *Panyptila*. 1. *P. cayanensis*. 2. *P. sancti-hieronymi*. 3. *P. melanoleuca*. CHÆTURINÆ. III. *Chætura*. A. Majores. a. Asiatic (*Hirundinapus*). 1. *C. caudacuta*. 2. *C. gigantea*. b. American (*Hemiprocne*). 3. *C. semicollaris*. 4. *C. biscutata*, sp. n., p. 609, pl. 34 (e Natt. MS., Brazil). 5. *C. zonaris*. B. Minores. a. American. 6. *C. pelagica*. 7. *C. vauzii*. 8. *C. poliura*. 9. *C. cinereiventris*. 10. *C. spinicauda*. 11. *C. rutila*. b. African. 12. *C. sabini*. 13. *C. cassini*. c. Asiatic. 14. *C. sylvatica*. 15. *C. coracina*. IV. *Cypseloides*. 1. *C. senex*. 2. *C. fumigatus*. 3. *C. niger*. 4. *C. borealis*. V. *Collocalia*: merely a list of 6 spp., after Wallace. VI. *Dendrochelidon*. 1. *D. mystacea*. 2. *D. wallacii*. 3. *D. klecho*. 4. *D. coronata*. 5. *D. comata*.

1865. SCLATER, P. L. [Letter relating to various Cypselidæ.] < *Ibis*, 2d ser., i, 1865, pp. 234, 235.

1867. SCLATER, P. L. Bemerkungen über die Genera und Species der Cypseliden. Aus den „Proceedings of the Zoological Society of London, June 27, 1865“ übersetzt. < *J. f. O.*, xv, 1867, pp. 112–141.

1869. FOWLER, A. The Chimney Swallow [*Chætura pelagica*]. < *Am. Nat.*, iii, 1869, pp. 8–13.

Account of its habits.

1873. SEARS, J. H. Chimney Swallow [*Chætura pelagica*]; Change in Place of Nesting. < *Am. Nat.*, vii, 1873, pp. 751, 752.

1874. MERRIAM, C. H. The Chimney Swift [*Chætura pelagica*]; Change in Place of Nesting. < *Am. Nat.*, viii, 1874, pp. 367, 368.

1874. SALVIN, O. [On the breeding of *Panyptila sancti-hieronymi* at San Geronimo, Guatemala; etc.] < *Ibis*, 3d ser., iv, Apr., 1874, p. 188.

Not seen.

1875. ANON. [On the possible hybernation of *Chætura pelagica* in hollow trees.] < *N. Y. Independent*, Oct. 7, 1875.

1877. GRAY, A. F. Chimney Swallow. Chimney Swift. *Chætura pelagica*.—Baird. < *Forest and Stream*, ix, Nov. 2, 1877, p. 215.

1878. [FITCH, E. H.] The Swifts [Cypselidæ]. *Journ. of Sci.* (Toledo, Ohio), n. s., i, No. 1, Apr., 1878, cut.

Characters of two subfamilies, *Cypselinæ* and *Chæturinæ*; figure of *Panyptila saxatilis*.

1878. LAWRENCE, G. N. Description of a New Species of Cypselidæ, of the Genus *Chætura* [dominicana]. < *Ann. New York Acad. Sci.*, i, No. 8, 1878, pp. 255, 256. (Read Nov. 11, 1877.)

1879. ANON. Nest of the Chimney Swift (*Chætura pelagica*). < *The Oölogist*, v, No. 2, Aug., 1879, pp. 9, 10, cut.

Very good original observations, illustrated with a figure of the nest and eggs.

1879. MERRIAM, [C. H.] How the Chimney Swallows [*Chætura pelagica*] did Congregate. < *The Oölogist*, v, No. 1, July, 1879, pp. 6, 7.

Quoted from his “Review of the Birds of Connecticut” in *Trans. Conn. Acad.*, iv, 1877, p. 50.

Caprimulgidæ.

1817. HUMBOLDT, A. v. Sur le *Steatornis* [caripensis], nouveau genre d'Oiseau nocturne. < *Bull. Sci. Soc. Philom.*, 1817, pp. 51, 52.
Pas vu moi-même—le titre tiré de Carus et Engelmann.
1818. HUMBOLDT, A. v. [Ueber einen Nachtvogel Guacharo genannt (d. h., *Steatornis caripensis*).] < *Oken's Isis*, Jahrg. ii, 1818, p. 411.
Aus d. *Verh. Acad. Wiss. Paris*, 1817.
1831. SW[AINSON, W.] The pectinated Claw of the Goatsucker. < *Loudon's Mag. Nat. Hist.*, iv, 1831, pp. 275, 176.
Smiles at the simplicity of J. Rennie in supposing the comb useful in removing insect parasites.
1831. ANON. The Night Hawk [*Chordeiles virginianus*]. < *D. J. Browne's The Naturalist*, i, No. x, Oct., 1831, pp. 301-309.
Chiefly compiled from Wilson. The article continues with a similar notice of the Whip-poorwill, *Antrostomus vociferus*.
1831. ANON. The Whip-poor-will [*Antrostomus vociferus*] and Night Hawk [*Chordeiles virginianus*]. < *D. J. Browne's The Naturalist*, i, No. xi, Nov., 1831, pp. 334, 335.
Determining that these are really two distinct species.
1832. WATERTON, C. Answer to the Question at p. 603 [tom. cit.] on the Nightjar's [*Caprimulgus europæus*] transporting its Eggs, as suggested by Audubon's declaration of the Carolina Goatsucker's [*Antrostomus carolinensis*] so doing. < *Loudon's Mag. Nat. Hist.*, v, 1832, pp. 726, 727.
1834. L'HERMINIER, [F.] Mémoire sur le Guacharo (*Steatornis caripensis* (Humboldt)). < *Nouv. Ann. du Mus. d'Hist. Nat.*, iii, 1834, pp. 321-331, pl. 15.
Planche coloriée, in-fol., grosseur nat.—Rapport: *L'Inst.*, ii, 1834, No. 74, p. 330.
1834. MATHEWS, A. Information on the Habits of a Species of *Caprimulgus* (or of some closely allied Genus) which inhabits the Neighbourhood of Lima. < *Loudon's Mag. Nat. Hist.*, vii, 1834, pp. 633, 634. With Note by the Editor, pp. 634-637.
1835. DON, D. The Species of *Caprimulgus* which inhabits the Neighbourhood of Lima, noticed by Mr. Matthews in [op. cit.] VII. 633., and technically described in 635., is, doubtless, the *C. americanus* of Wilson's "American Ornithology," vol. V. t. 40. fig. 1. < *Loudon's Mag. Nat. Hist.*, viii, 1835, p. 470.
Which it doubtless is not.
1836. L'HERMINIER, [F.] Note additionnelle au mémoire sur le Guacharo de la caverne de Caripe (*Steatornis Caripensis* Humb.) < *Compt. Rend. de l'Acad. Sci.*, ii, 1836, pp. 67-71.
1836. L'HERMINIER, F. Note sur le Guacharo de la caverne de Caripe (*Steatornis caripensis* Humb.). < *Ann. Sci. Nat.*, 2^e sér., Zool., vi, pp. 60-64.
Not seen—this vol. missing from the set of the *Ann.* handled. Paper said to be also in *For. Nat.*, Bd. I, No. 1082, 1836, pp. 49-51.
1836. ROULIN, —. Existence du guacharo [*Steatornis caripensis*] dans la province de Bogota. < *Compt. Rend. de l'Acad. Sci.*, ii, 1836, pp. 94-96.
Extraite d'une lettre. (*L'Inst.*, iv, No. 168, 1836, pp. 241, 242; *Ann. Sci. Nat.*, 2^e sér., vi, 1836, pp. 115-117.)
1838. GOULD, J. *Icones Avium*, | or | Figures and Descriptions | of | new and interesting Species of Birds | from various parts of the World. | By | John Gould, F. L. S., &c. | Forming | a supplement | to his previous works. | — | Part II. | — | Monograph of the Caprimulgidæ, | Part I. | [Contents.] | London: | printed by Richard and John E. Taylor, Red Lion Court, Fleet Street. | Pub-

1838. GOULD, J.—Continued.

lished by the author, 20, Broad Street, Golden Square. | August, 1838. folio, 8 plates, unnumbered, each with a sheet of letterpress, unpagged.

Part I contained 10 plates of miscellaneous birds. The present Part begins a monograph which was abandoned. Only these two parts of "Icones Avium" appeared.

This beginning of a monograph of the *Caprimulgidae* contains: 1. *Amblypterus anomalus*. 2. *Nyctidromus derbianus*. 3. *Semeiophorus (Macrodipteryx?) vexillarius*. 4. *Lyncornis cerviniceps*. 5. *Lyncornis macrotis*. 6. *Lyncornis temminckii*. 7. *Batrachostomus* (Gould, g. n. ?) *auritus*. 8. *Nyctibius pectoralis*.

1838. SAINT-VINCENT, BORY DE. Sur l'existence du Guacharo (*Steatornis* [caripensis]), à l'île de la Trinité. < *Compt. Rend. de l'Acad. Sci.*, vii, 1838, pp. 474–478.

D'après une lettre de M. Hautessier. Avec des renseignements sur les mœurs de l'oiseau.

1839. HAUTESSIER, ST. CYR. Notice historique sur l'existence du Guacharo [*Steatornis caripensis*] qui a été découvert dans les cavernes des Bouches à la Trinité. < *Actes Soc. Linn. Bordeaux*, xi, 1839, pp. 98.—

Pas vue moi-même—le titre tiré de Giebel.

1839. HAUTESSIER, [ST. CYR.] [Ueber *Steatornis caripensis*, mit Nest und Eiern, aus Trinidad.] < *Oken's Isis*, Bd. xxxii, 1839, pp. 382, 383.

L'Institut, Nr. 249, 1838, p. 326.

1842. LAFRESNAYE, [F. DE.] Ueber die Caprimulgiden. < *Oken's Isis*, Bd. xxxv, 1842, p. 219.

Mag. de Zool., Bd. iii, 1837.

1842. MUELLER, J. Anatomische Bemerkungen über den Quacharo, *Steatornis caripensis* v. Humb. < *Müller's Arch. Anat. Phys.*, ix, 1842, pp. 1–11, pl. 1.

Gelesen in d. k. Akad. Wiss. zu Berlin am 13. Mai 1841. *Berlin. Monatsb.*, 1841, pp. 172–179; *L'Inst.*, ix, No. 408, 1841, p. 357.

1843. DES MURS, O. Considérations oologiques sur le genre d'oiseaux nommé Guacharo. (*Steatornis* de Humboldt [sic]). < *Revue Zoologique*, vi, 1843, pp. 33–37.1844. FUNCK, N. Notice sur le *Steatornis caripensis*. < *Bull. Acad. Bruxelles*, xi, 1844, pp. 371–377.

L'Institut, xiii, 1845, No. 598, pp. 216, 217.

Pas vue moi-même—le titre tiré de la *Bibl. de Carus et Engelmann*. La notice se trouve aussi insérée dans l'*Isis* d'Oken, 1848, q. v.

1846. GOULD, J. [On a new species of *Nyctibius* (bracteatus).] < *P. Z. S.*, xiv, 1846, p. 1.1846. GOULD, J. [*Nyctibius bracteatus*.] < *Ann. Mag. Nat. Hist.*, xvii, 1846, p. 476.

From *P. Z. S.*, Jan. 13, 1846, p. 1.

1846. L'HERMINIER, [F.] Ueber *Steatornis caripensis* in der Provinz Cumana. < *Oken's Isis*, Bd. xxxix, 1846, p. 552.

Nouv. Ann. Mus. d'Hist. Nat., Tom. iii, 1834, pp. 321–331, pl. 15.

1846. REICHENBACH, [L.] Neuer Caprimulgus in Ungarn. < *Allgemein. Naturh. Zeitung*, 1846, pp. 269.—

Not seen. Said to contain a list of the known species of *Caprimulgidae*. *Chordeiles wiedersperrgii*, sp. n., p. —.

1848. CABOT, S., JR. [On a species of *Chordeiles* from Surinam (*C. labeculatus* ?)] < *Proc. Bost. Soc. Nat. Hist.*, iii, 1848, pp. 55, 56.1848. FUNCK, N. Ueber den Guacharo (*Steatornis caripensis*). < *Oken's Isis*, Bd. xli, 1848, pp. 1018, 1019.

Auszug aus d. *Bull. Acad. Roy. Bruxelles*, xi, 1844, pp. 371–377.

1849. CASSIN, J. Descriptions of new species of birds of the Family Caprimulgidae, specimens of which are in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iv, 1849, pp. 236–239.

Hydropsalis limbatus, p. 236; *H. segmentatus*, *Antrostomus serico-caudatus* (sic), p. 238.

1849. L'HERMINIER, [F.] Notes sur la classification méthodique du Guacharo (*Steatornis* [caripensis]), . . . < *Rev. et Mag. de Zool.*, xii, (2^e sér., i), 1849, pp. 321–328.

1850. CASSIN, J. Descriptions of new species of Birds of the Family Caprimulgidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., v, 1850, pp. 310-313.
From *Proc. Phila. Acad.*, iv, 1849, pp. 236-239.
1851. CASSIN, J. Catalogue | of the | Caprimulgidæ | in the collection of | the Academy of Natural Sciences | of Philadelphia. *Published with Proc. Acad. Nat. Sci. Phila.*, v, Nov. 1, 1851, not paged. Also separate, 8vo, one signature (foll. 8).
Synonymatic.
1851. CASSIN, J. Notes of an examination of the Birds composing the family Caprimulgidæ, in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, v, 1851, pp. 175-190.
Stenopsis, p. 179; *Lurocalis*, p. 189, gg. nn. The 'notes' are a critical running commentary on all the New World forms, with mention of all the species which had come under the writer's observation. An early, if not the first notice of the special subject at all to be called critical.
1852. CASSIN, J. Monograph of the Birds composing the genera *Hydropsalis*, Wagler, and *Antrostomus*, Nuttall. < *Journ. Acad. Nat. Sci. Phila.*, ii, pt. ii, Jan. 1852, art. xiv, pp. 113-124, pll. xiii, xiv.
Hydropsalis, 6 + 1 spp. Pl. xiv gives sections of tail-feathers of *H. limbatus*, *H. lyra*, *H. segmentatus*, *H. psalurus*. *Antrostomus*, 6 + 2 spp. Pl. xiii, *A. serico-caudatus*.
1854. BREWER, T. M. [Remark on exhibition of an egg of the Chuck-will's-widow (*Antrostomus carolinensis*).] < *Proc. Bost. Soc. Nat. Hist.*, v, 1854, p. 56.
1855. BOLLE, K. Drei Ziegenmelker [Caprimulgidæ] Nordamerikas. < *Naumannia*, viii, 1855, pp. 150-163.
Aus dem Englischen des Audubon—*Caprimulgus* [*Antrostomus*] *carolinensis*, *C. [A.] vociferus*, *C. [Chordeiles]* *virginianus*.
1860. HADFIELD, H. Note on the Piramidigs of Jamaica (*Chordeiles*). < *Zoologist*, xviii, 1860, p. 6976.
1860. PHILIPPI, R. A., and LANDBECK, L. Beschreibung zweier neuen Chilenischen Vögel aus den Geschlechtern *Procellaria* und *Caprimulgus*. < *Arch. f. Naturg.*, 1860, (1), pp. 279-284.
Caprimulgus andinus, p. 270; *Thalassidroma segethi*, p. 282.
1861. GOULD, J. Description of a New Species of the Family Caprimulgidæ [*Chordeiles*? *pusillus*]. < *P. Z. S.*, xxix, 1861, p. 182.
1861. GOULD, J. Description of a New Species of the Family Caprimulgidæ. < *Ann. Mag. Nat. Hist.*, 3d ser., viii, 1861, p. 262.
From *P. Z. S.*, April 23, 1861, p. 182.
1861. PHILIPPI, R. A., and LANDBECK, L. Descripcion de una nueva especie de pájaros del género *Chotacabra* o *Caprimulgus* [*andinus*, p. 31]. < *Anales Univ. Chile*, xviii, Enero 1861, pp. 29-33.
1865. PELZELN, A. V. Ueber zwei neue Caprimulgiden aus Brasilien. < *Verhandl. d. k.-k. zool.-bot. Ges. zu Wien*, xv, 1865, *Abhandl.*, pp. 985-988.
Hydropsalis ypanemæ (Natt.) und *H. pallescens* (Natt.).
1866. PELZELN, A. V. Zwei neue Caprimulgiden aus Brasilien. < *J. f. O.*, xiv, 1866, pp. 46-49.
Aus *Verh. k.-k. Zool.-bot. Ges. Wien*, xv, 1865, *Abhandl.*, pp. 985-988. *Hydropsalis ypanemæ*, *H. pallescens*.
1866. SCLATER, P. L. Notes on the American Caprimulgidæ. < *P. Z. S.*, xxxiv, 1866, pp. 123-145, pll. xiii, xiv, woodc.

This is the most important paper on the special subject, being a monographic sketch of the group, with reference to classification as based upon anatomical structure, to geographical distribution, and to the determination of the genera and species. After referring to the leading authorities upon the subject, the writer remarks upon the whole family and its geographical distribution, and proposes to divide it into two sections, readily distinguished by the structure of the feet. In one of the these, *Caprimulginae* proper, the outer digit has only four phalanges, and the claw of the third or middle digit is pectinated; while in the other the same claw is not peculiar, and the fourth digit has the usual number of phalanges, five. The sternum also offers important characters, as was shown by Blanchard. (*Ann. du Mus.*

1866. SCLATER, P. L.—Continued.

xi, 1859, pp. 104–108.) The anatomical characters in mention are figured in the woodcuts, pp. 124–126. *Podargus* and allied forms, such as *Nyctibius*, may require to be separated as a distinct family. The *Caprimulgidae* are divided upon the foregoing considerations into 3 sub-families: 1, *Podarginae* (*Podargus*, *Batrachostomus*, *Agotheles*, *Nyctibius*); 2, *Steatornithinae* (single genus); 3, *Caprimulginae*, (a) *Glabrirostris* (*Podager*, *Lurocalis*, *Chordiles*, *Lyncornis*, *Eurystopodus*), and (b) *Setirostris* (*Caprimulgus*, *Scotornis*, *Macrodipteryx*, *Antrostomus*, *Steatornopsis*, *Hydropsalis*, *Holeothreptus*, *Nyctidromus*, *Siphonorhis*). The American forms are treated in a synonymic and diagnostic list of 42 spp., with critical and biographical remarks, and a table of geographical distribution.—*Steatornopsis ruficervix*, sp. n., p. 140, pl. xiv; *Antrostomus parvulus* Gould, pl. xiii.

The paper is translated in *J. f. O.*, 1867, pp. 252–278.

1866. SCLATER, P. L. Additional Notes on the Caprimulgidae. < *P. Z. S.*, xxxiv, 1866, pp. 581–590, pll. xlv, xlv.

In continuation of *P. Z. S.*, 1866, pp. 123–145, q. v. Anatomy of *Podargus*.—*Antrostomus ornatus*, p. 586, pl. 45; *S. langsdorfi* Pelz., *S. platyrus* Pelz., p. 589, spp. nn. Pl. 46 represents *Antrostomus maculicaudus*. *Steatornopsis leucura* (V.) renamed *S. candicans* Pelz., p. 588.

1867. SCLATER, P. L. Bemerkungen über die amerikanischen Caprimulgiden. (Uebersetzt aus den *P. Z. S.*, 27 Feb. 1866.) < *J. f. O.*, xv, 1867, pp. 252–278.

Vergleich d. Originalausgabe, l. c., 1866.

1868. MOORE, N. B. Note on *Chordeiles virginianus*. < *Proc. Bost. Soc. Nat. Hist.*, xii, 1868, p. 127.

Occurrence of a pebble "of considerable size" in its stomach.

1868. SALVADORI, T. Due nuove specie di uccelli della famiglia dei Caprimulgidi. < *Atti della Soc. Ital. di Sci. Naturali*, xl, fasc. iii, Sept. 16, 1868, pp. 447 —.

Steatornopsis macrorhyncha, *Scotornis nigricans*, both from South America. I cannot give the pages, as I have only seen repaged over sheets. 8vo. pp. 4.

1868. SCLATER, P. L. [Exhibition of the egg of the Guacharo (*Steatornopsis caripensis*).] < *P. Z. S.*, xxxvi, 1868, pp. 73, 74.1869. GOERING, A. Excursion a algunas cuevas hasta ahora no exploradas, (al sureste de Caripe.) < *Vargasia*, núm. 5, 1869, pp. 124–128, con una lámina.

Una visita á la célebre Cueva del Guácharo (*Steatornopsis caripensis*). Cf. *Ibis*, 1870.

1869. HEPBURN, J. [Identifies the "booming swallow" (cf. *Ibis*, 1867, 126) with *Chordeiles virginianus*.] < *Ibis*, v, 2d ser., 1869, pp. 126, 127.1869. KÖNIG-WARTHAUSEN, R. Bemerkungen über die Fortpflanzung einiger Caprimulgiden. < *J. f. O.*, xvi, 1868, pp. 361–388, pl. ii, f. 3. (Publicirt 1869.)

The concluding Heft of the Journ. for 1868 was not published till May, 1869. Cf. *Zool. Rec.* for 1868, p. 29; for 1869, 56.

The plate represents eggs of *Steatornopsis bifasciatus*.

The paper is an interesting one, with much on the literature of the subject, and very full treatment of 28 spp., "According to the colour of the Eggs the birds may be arranged in four groups—those laying (1) glossy eggs with a white ground, blotched with brownish- or bluish-gray, (2) very glossy eggs with a greenish-white ground, spotted and streaked with greenish-brown and gray, (3) dull and delicate eggs with a pale reddish cream-coloured or lively-flesh-coloured ground marked with yellowish-red and violet-grey, and (4) unspotted eggs more or less white. The first of these is the prevailing type, especially in the northern hemisphere and the temperate districts of the Old World; the second is the northern type of the New World; the third the southern type, especially in the New World, and the fourth the Polynesian type, which is special for the *Podarginae* and *Steatornithinae*. The accounts of the different species are given in much detail and with great apparent accuracy." (*Zool. Rec.*, 1869, p. 57.)

1870. PELZELN, A. V. [Rectification of *Zool. Record*, v, p. 74, in respect of certain Neotropical Caprimulgidae.] < *Ibis*, 2d ser., vi, 1870, p. 296.1871. "FAIRFAX." The Notes of the Whippoorwill [*Antrostomus vociferus*]. < *Am. Nat.*, v, 1871, pp. 438, 439.1873. BREWER, T. M. Color of the Eggs of Caprimulginae. < *Am. Nat.*, vii, July, 1873, pp. 434, 435.

With reference to a statement made by E. Cones, *tom. cit.*, p. 325.

1873. GARROD, A. H. On some Points in the Anatomy of *Steatornis*. < *P. Z. S.*, June 3, 1878, pp. 526-535, figg. 1-4.

Relating almost entirely to the pterylosis (figured) and the anatomy of the soft parts, especially the digestive organs, trachea, carotid arteries and certain muscles, the skull being also described and figured so far as to make it comparable with those in Huxley's paper on the classification of birds (*P. Z. S.*, 1867). The article is an important one. The pterylosis more closely resembles that of the *Strigidae* than that of the *Caprimulgidae*, and the genus should be made the type of a distinct family.

1873. MURIE, J. Fragmentary Notes on the Guacharo or Oil-Bird (*Steatornis caripensis*). < *Ibis*, 3d ser., iii, 1873, pp. 81-84.

A 'scrupulously exact' description of the outside of the bird.

1873. SCOTT, D. [W.] The North American Goatsuckers [*Caprimulgidae*]. < *Am. Nat.*, vii, 1873, pp. 669-675.

Biographical notes, with analytical synopsis of the species.

1878. [FITCH, E. H.] The Whippoorwill. (*Antrostomus Vociferens* [sic].) < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 4, July, 1878, suppl. sheet, cut.

Popular biography of the bird, with a figure.

1878. ROCKWELL, C. A Tough Young Night Hawk [*Chordeiles virginianus*]. < *Forest and Stream*, xi, Aug. 22, 1878, p. 46.

Chordeiles virginianus hatching from an egg which had been broken and "stirred up" by the writer.

1879. [FITCH, E. H.] The Night Hawk [*Chordeiles popetue*]. < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 11, Feb., 1879, cut.

Popular biography, with a figure.

1879. MAYNARD, C. J. Nest of the Chuck-will's-widow [*Antrostomus carolinensis*]. < *The Oölogist*, v, No. 1, July, 1879, p. 2.

Todidæ.

1833. LAFRESNAYE, F. DE. Sur le genre Todier, Todus. L. < *Guér. Mag. de Zool.*, 3^e année, 1833, classe ii, notice xi, pl. xi.
Todus viridis Gm., pl. xi.
1842. LAFRESNAYE, F. DE. [Ueber Todus.] < *Oken's Isis*, Bd. xxxv, 1842, p. 56.
Mag. de Zool., iii, 1833.
1847. LAFRESNAYE, F. DE. Mélanges ornithologiques sur le Todier vert, Todus viridis des auteurs. < *Revue Zoologique*, x, 1847, pp. 326-333.
4 spp.—*TT. viridis, dominicensis, portoricensis, mexicanus*.
1851. LAFRESNAYE, F. DE. Mélanges ornithologiques.—Sur une nouvelle espèce de Todier (Todus [augustirostris]). < *Rev. et Mag. de Zool.* iii, 1851, pp. 477-479.
1872. MURIE, J. On the skeleton of Todus, with Remarks as to its Allies. < *P. Z. S.*, May 21, 1872, pp. 664-680, pl. lv, 20 figg.
Describes in great detail the skeleton of *Todus viridis*, and shows that the bird is a Coccozomorph, its nearest living allies being the *Momotidæ* and *Alcedinidæ*, but having also Muscipaline, Meropine, Galbuline, and Bucerotine tendencies, as shown by its habits, food, and other peculiarities.
"It may be presumed that *Todus* comes of Halcyonine lineage, though its organization places it in juxtaposition with the Motmots. It moreover offers structure so truly Passerine as to mask its more direct allies; and such exterior points deceived the older naturalists or were too strongly insisted upon." A very elaborate and philosophical memoir.
1872. SCLATER, P. L. Observations on the Systematic Position of the Genera Peltops, Eurylæmus, and Todus. < *Ibis*, 3d ser., ii, Apr., 1872, pp. 177-180, figg. 1-4.
I. That *Peltops* should be referred to the family *Muscicapidæ*. II. That the *Eurylæmidæ* should be assigned to the order *Passeres*. III. That the *Todidæ* should be constituted a family of *Coccozomorphæ*, in the immediate neighbourhood of the *Momotidæ*.
1874. SHARPE, R. B. On the Genus Todus. < *Ibis*, 3d ser., iv, 1874, pp. 344-355, pl. xiii.
Chronological summary of literature of the subject: synonymatic, descriptive, etc., synopsis of 5 spp. *Todus pulcherrimus*, p. 353, pl. xiii, f. 3, sp. n. Pl. xiii, figg. 1, 2, *T. subulatus*.

Momotidæ.

1841. JARDINE, W. *Horæ Zoologicae*. No. III. On the History and Habits of the Birds composing the Genus *Prionites* of Illiger. < *Ann. Mag. Nat. Hist.*, vi, 1841, pp. 321-328, figg.
1841. LESSON, R. P. Description des Oiseaux du genre *Momot* Briss. < *Actes Soc. Linn. de Bordeaux*, xii, 1841, pp. 187-—.
Pas vue moi-même. Titre tiré de Carus et Engelmann.
1843. CABOT, S., JR. [*Momotus yucatacensis*, sp. n., from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, p. 156.
This was subsequently identified with *M. (Eumomota* ScL 1857) *superciliaris* Sandb.
1849. STRICKLAND, H. E. *Momotus gularis*, Lafresnaye. < *Jard. Contrib. Orn.*, 1849, p. 33, pl. xvii.
1851. SCHOMBURGK, R. *Prionites Momota*, Ill. < *Naumannia*, i, Heft iv, 1851, pp. 21-24.
Aus der Leben.
1853. SCLATER, P. L. Notes sur deux nouvelles espèces du genre *Momot* (*momotus*). < *Rev. et Mag. de Zool.*, v, 1853, pp. 489, 490.
Momotus semirufus, *M. subrufescens*, p. 489.
1854. GOULD, J. Description of a New Species of *Momotus* [*castaneiceps*]. < *P. Z. S.*, xxii, 1854, p. 154.
1855. GOULD, J. Description of a New Species of *Momotus*. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 273, 274.
From *P. Z. S.*, July 25, 1854, p. 154.
1857. SCLATER, P. L. Review of the species of the Fissirostral Family Momotidæ. < *P. Z. S.*, xxv, 1857, pp. 248-260, pl. (Aves) cxxviii.
4 genera, 17 spp., and 4 others doubtful. *Eumomota*, p. 257, g. n. *Momotus microstephanus*, *M. nattereri*, p. 251, spp. nn. A very complete account of the group. The pl. represents *Prionirhynchus carinatus*.
1863. SCHLEGEL, H. *Momotus*. < *Mus. Hist. Nat. Pays-Bas.*, 4^e livr., Juil., 1863, pp. 1-8.
The group here treated is made to consist of the *Momotidæ* and *Todidæ* of authors; there are given 13 spp. of the single genus *Momotus*, and 2 of *Todus*.
1872. MURIE, J. On the Motmots [*Momotidæ*] and their Affinities. < *Ibis*, 3d ser., ii, 1872, pp. 383-412, pll. xiii-xv.
I. Skull and sternum of *Momotus lessoni*. II. Cranium, etc., of *M. brasiliensis*. III. Osteology of *M. ruficapillus*. IV. *Eumomota superciliaris*—skeleton generally. V. The alliances of the *Momotidæ* osteologically considered. (These are with the *Todidæ*, the two families constituting a section of Syndaetyle birds proposed to be called *Serratirostræ*.) VI. Compendium of facts and opinions on the Motmots. VII. Conclusions derivative from data given. Pls. xiii-xv represent anatomical details and bills.
"Describes the skull and sternum of *Momotus lessoni*, and in detail the skeleton of *Baryphthengus ruficapillus* and *Eumomota superciliaris*. A comparison is then made of the osteology of the *Momotidæ* with that of the *Todidæ*, *Coraciidæ*, *Meropidæ*, *Alcedinidæ*, and other families; and after a consideration of various facts as to habits, structure, and geographical distribution, and of opinions as to their supposed affinities, arrives at the conclusion that the four families just named best accord with the *Momotidæ*, and of them the *Todidæ* are most akin. If it is necessary to group them more nearly, Mr. Blyth's term "*Serratirostræ*" (*Mag. Nat. Hist.*, new ser., ii, p. 422) may be used. Only four genera of *Momotidæ* (*Momotus*, *Baryphthengus*, *Hylomanes* and *Eumomotus*) seem well established." (*Zool. Rec.*)
1873. SALVIN, O. On the Tail-Feathers of *Momotus*. < *P. Z. S.*, 1873, pp. 429-433, figg. 4.
Mode of formation of the "racket"; cf. *Ibis*, 1872, p. 333. The birds are stated to nibble the feathers.

1878. GARROD, A. H. On the Systematic Position of the Momotidae. < *P. Z. S.*, Jan., 15, 1878, pp. 100-102, figg. A, B.

Cf. *P. Z. S.*, 1874, p. 123: errors there made here corrected. Colic cæca absent; minute tuft on oil-gland, or none. Such being the case, *Momotidæ* must be placed with the *Piciformes* as defined by Garrod, instead of with *Passeriformes*. *Momotidæ* scarcely separable as a family from *Todidæ*. A pterylographic peculiarity favors the reference of the family to *Piciformes*. Syrinx of *Momatus lessoni* figured, 2 views.

Trogonidæ.

1832. LA LLAVE, PABLO DE. Memoria sobre el Quetzaltototl, género nuevo de Aves [Pharomachrus mocinno, g. sp. n.]. < *Registro Trimestre* (Mexico), i, núm. 1, Enero de 1832, pp. 43-49.
1833. GOULD, J. [Description of the Female of Trogon pavoninus, Spix.] < *P. Z. S.*, i, 1833, p. 107.
1834. GOULD, J. [Characters of three New Species of Trogon (*T. erythrocephalus*, *T. malabaricus*, and *T. elegans*) in the Collection of the Society.] < *P. Z. S.*, ii, 1834, pp. 25, 26.
1834. GOULD, J. [Description of Trogon pavoninus, ♀.] < *Lond. and Edinb. Philos. Mag.*, iv, 1834, pp. 59, 60.
From *P. Z. S.*, Sept. 10, 1833, p. 107.
1835. GOULD, J. [Characters of several New Species of Trogon (*Trogon resplendens*, *T. ambiguus*, *T. citreolus*).] < *P. Z. S.*, iii, 1835, pp. 29, 30.
1835. GOULD, J. [On Trogonidæ.] < *Lond. and Edinb. Philos. Mag.*, vii, 1835, p. 226.
From *P. Z. S.*, Mar. 10, 1835, pp. 29-30.
1835. GOULD, [J.] Viele Vögel. < *Oken's Isis*, Bd. xxviii, 1835, pp. 1024, 1025.
Proc. Zool. Soc. Lond., 1834, p. 25. *Trogon erythrocephalus*, *T. malabaricus*, *T. elegans*.
1836. GOULD, J. [Exhibition of Trogon resplendens and *T. pavoninus*.] < *P. Z. S.*, iv, 1836, p. 12.
1837. BONAPARTE, C. L. [On the Habits of the Long-tailed Trogon (*Trogon resplendens*, Gould).] < *P. Z. S.*, v, 1837, p. 101.
1837. GOULD, [J.] Ueber Trogon. < *Oken's Isis*, Bd. xxx, 1837, pp. 121, 122.
Proc. Zool. Soc. Lond., 1835, p. 29. *Trogon resplendens*, *T. ambiguus*, *T. citreolus*.
1837. ORBIGNY, A. D'. Couroucou. Trogon. Liunee. Antisien. Antisianus. D'Orb. < *Guér. Mag. de Zool.*, 7^e année, 1837, classe ii, notice lxxxv, pl. lxxxv.
1838. BLYTH, E. [Observations on the Structure of the Feet of the Trogonidæ.] < *P. Z. S.*, vi, 1838, p. 20.
1838. BONAPARTE, C. L. Dell' Uccello messicano quezalt e dei Trogonidi cui appartiene. < *Nuovi Ann. Sci. Nat. Bologna*, ii, 1838, pp. 5-12.
Trogon paradiseus, "nob.", p. 6.—Caratteri della famiglia e della sottofamiglia, p. 8.—Caratteri di ciascuno dei cinque generi *Trogon*, *Harpactes*, *Apaloderma*, *Temnurus*, *Calurus*, p. 10.
- 1838? BONAPARTE, C. L. Dell' Uccello Messicano | Quezalt | e dei Trogonidi | cui appartiene | di Carlo Luc. Bonaparte | principe di Musignano | Memoria estratta | dal 7.^o fasc. dei nuovi annali delle Scienze Naturali | n. d. n. p. 8vo. pp. 10.
1838. BONAPARTE, C. L. Observations on the Long-tailed Trogon [*T. paradiseus*]. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, pp. 229-231.
1838. GOULD, J. [Trogon resplendens et pavonicus.] < *Oken's Isis*, Bd. xxxi, 1838, p. 172.
Anszüge aus *Proc. Zool. Soc. Lond.*, iv, 1836, p. 12.
1838. GOULD, J. A monograph of the Trogonidæ or family of Trogons. London. 1838. 1 vol. imp. folio. pll. 38.
This is the date of completion of the orig. ed. of the monograph, a copy of which I have yet to see. Nor can I now give dates of the 3 parts in which it appeared. There is a 2d ed., a very different publication, 1868-75, q. v.
1839. BONAPARTE, C. L. Ueber den mexicanischen Vogel Quezalt aus der Gruppe der Trogoniden. < *Oken's Isis*, Bd. xxxii, 1839, pp. 611-614.
Uebersetz. aus *Nuovi Annali delle Scienze naturali*, Bologna ii, 1838, pp. 5-12.
1841. CLARKE, C. [Exhibition of Trogon temnura.] < *P. Z. S.*, ix, 1841, p. 53.

1842. GOULD, J. On two new Species of Trogon and a new species of Toucan from the Cordillerian Andes. < *Ann. Mag. Nat. Hist.*, ix, 1842, pp. 236-239.
Trogon personata, p. 237; *T. auriceps*, p. 238; *Pteroglossus castaneorhynchus*, p. 238.
1843. LATRE, A. DE. Note sur les mœurs du Couroucou Pavonin, et détails sur les contrées qu'il habite. < *Revue Zoologique*, vi, 1843, pp. 163-165.
L'Écho du Monde Savant.
1845. GOULD, J. [Description of a new Trogon (*T. puella*).] < *P. Z. S.*, xiii, 1845, p. 18.
1847. LAFRESNAYE, [F.] DE. Mélanges ornithologiques sur le Trogon Xalapensis (Couroucou de Xalapa), Brd. Dubus; Esquisses ornithologiques, 1^{re} livrais., Pl. II, et sur les Couroucous en général. < *Revue Zoologique*, x, 1847, pp. 180-182.
1849. DEVILLE, E., et DES MURS, O. Note sur une nouvelle espèce de Couroucou (*Trogon ramoniana*), et sur le Trogon meridionalis. < *Rev. et Mag. de Zool.*, i, 1849, pp. 331-333.
1856. FRASER, L. [Exhibition of a number of Birds, from the collection of T. C. Eyton, Esq.] < *P. Z. S.*, xxiv, 1856, pp. 368, 369.
Trogon eytoni, *Juida eytoni*, spp. nn.
1856. GOULD, J. Description of a New Trogon and a New Odontophorus. < *P. Z. S.*, xxiv, 1856, pp. 107, 108.
Trogon aurantiventris, p. 107; *Odontophorus veraguensis*, p. 107.
1857. BOGDANOW, A. Note sur le pigment rouge des plumes du Calurus auriceps, Gould. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 511-514.
1857. GOULD, J. Description of a new Trogon [aurantiventris] and a new Odontophorus [veraguensis]. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 110, 111.
 From *P. Z. S.*, May 13, 1856, pp. 107, 108.
1860. SALVIN, O. [Exhibition of the eggs of the Quesal (*Pharomachrus paradiseus*).] < *P. Z. S.*, xxviii, 1860, p. 374.
1861. LA LLAVE, PABLO DE. Mémoires d'histoire naturelle du docteur D. Pablo de la Llave, extraits du Registro trimestre publié à Mexico en 1832. < *Rev. et Mag. de Zool.*, xiii, 1861, pp. 23-33.
 Contient une traduction Française, par A. Sallé, d'un mémoire sur le Quetzaltototl (*Pharomachrus mocinno*) par Señor de la Llave, accompagnée des notes du traducteur. Voir 1832.
1861. SALVIN, O. Quesal-shooting in Vera Paz. < *Ibis*, iii, 1861, pp. 138-149.
 Narrative of an expedition to procure *Pharomachrus paradiseus*.
- 1868-75. GOULD, J. A | Monograph | of | the Trogonidae, | or | Family of Trogons. | By | John Gould, F. R. S. &c. | — | London : | printed by Taylor and Francis, Red Lion Court, Fleet Street. | Published by the Author, 26 Charlotte Street, Bedford Square. | [1868-] 1875. 1 vol. folio. pp. i-xx (title, dedication, preface, introduction, synopsis); list of plates 1 leaf; pll. colored, 1-4, 4a, 5-46, each with a sheet or more of letterpress. Pub. in — Parts.
 Orig. ed. pub. — to 1838. This second edition is really a different publication, all the plates being redrawn, and many more species being figured. Some of the plates are reproduced from the author's *Birds of Asia*. They are as follows:
 1. *Pharomachrus mocinno*. 2. *P. antisianus*. 3. *P. fulgidus*. 4. 4a. *P. auriceps*. 5. *P. pavoninus*. 6. *Euptilotis neoxenus*. 7. *Trogon mexicanus*. 8. *T. ambiguus*. 9. *T. elegans*. 10. *T. personatus*. 11. *T. puella*. 12. *T. aurantiventris*. 13. *T. collaris*. 14. *T. atricollis*. 15. *T. tenellus*. 16. *T. caligatus*. 17. *T. meridionalis*. 18. *T. ramonianus*. 19. *T. variegatus*. 20. *T. behni*. 21. *T. viridis*. 22. *T. chionurus*. 23. *T. bairdii*. 24. *T. auranus*. 25. *T. surucura*. 26. *T. citreolus*. 27. *T. melanocephalus*. 28. *T. clathratus*. 29. *T. melanurus*. 30. *T. macurus*. 31. *T. massena*. 32. *Tmetotrogon roseigaster*. 33. *Prionotelus temnurus*. 34. *Hapaloderma narina*. 35. *H. constantia*. 36. *H. diardi*. 37. *H. hasinba*. 38. *H. fasciatus*. 39. *H. ardens*. 40. *H. davauceli*. 41. *H. rutilus*. 42. *H. hodgsoni*. 43. *H. erythrocephalus*. 44. *H. reinwardti*. 45. *H. mackloti*. 46. *H. oreskios*. Cf. *Ibis*, 1870, p. 118.
1871. LA LLAVE, PABLO DE. El *Pharomachrus mocinno* su descripción y fundamentos de este género de aves. < *La Naturaleza*, ii, 1871, pp. 17, 18.
 Apéndice al artículo anterior, *ibid.*, pp. 14-16.

1871. SAUSSURE, H. DE. Los Curucús [Trogonidæ]. < *La Naturaleza*, ii, 1871, pp. 14-16.
Sobre las costumbres.
1872. BREWER, T. M. [Remarks on exhibition of *Pharomachrus mocinno*.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, p. 152.
1874. TURATI, Count, and SALVADORI, T. Description of a New Trogon of the Genus *Pharomacrus* [xanthogaster]. < *P. Z. S.*, Nov. 17, 1874, p. 652.
1877. BOUCARD, A. Notes on *Pharomacrus costaricensis*. < *Rowl. Orn. Misc.*, iii, pt. xi, Nov., 1877, pp. 21-28.
Very full on the habits of the bird.

Alcedinidæ.

1845. THOMPSON, W. Occurrence of the Belted Kingfisher, *Alcedo Alcyon*, Linn., in Ireland. < *Ann. Mag. Nat. Hist.*, xvi, 1845, p. 430.
1846. NEWMAN, E. Occurrence of the Great Belted Kingfisher [*Ceryle alcyon*] in Ireland. < *Zoologist*, iv, 1846, p. 1212.
1846. THOMPSON, W. Additional note on the Belted Kingfisher, *Alcedo Alcyon*, Linn., obtained in Ireland. < *Ann. Mag. Nat. Hist.*, xvii, 1846, pp. 69, 70.
1852. CASSIN, J. Catalogue | of the | Halcyonidæ | in the collection of | the Academy of Natural Sciences | of Philadelphia. | < *Published with the Proc. Acad. Nat. Sci. Phila.*, vol. vi; dated Nov. 1, 1852; not paged. Also separately, 8vo, foll. 10.
Synonymatic.
1863. SCHLEGEL, H. Alcedines. < *Mus. Hist. Nat. Pays-Bas*, 3^e livr., Mai, 1863, pp. 1-52.
The Kingfishers are all ranged in two genera, *Alcedo* and *Dacelo*, corresponding nearly with the subfamilies of other authors; there being treated of the former 32 spp., and 46 of the latter, represented by a total of 544 specimens in the Leyden Museum. *A. picturata*, p. 16; *Dacelo grayi*, p. 37, spp. nn.
See same author at 1874.
1868. ENDICOTT, W. E. The Belted Kingfisher [*Ceryle alcyon*]. < *Am. Nat.*, ii, 1868, p. 218.
Note on the mode of nesting.
1868. FOWLER, A. The Belted Kingfisher [*Ceryle alcyon*]. < *Am. Nat.*, ii, 1868, pp. 403-405.
On the breeding-habits, nest and eggs.
1868. MARCH, P. G. Kingfisher's [*Ceryle alcyon*] Nest again [with reference to preceding accounts in the same Journal]. < *Am. Nat.*, ii, 1868, p. 490.
Description of two nests.
- 1868-71. SHARPE, R. B. A Monograph | of | the Alcedinidæ: | or, | Family of Kingfishers. | By | R. B. Sharpe, F. L. S. &c., | Librarian to the Zoological Society of London, Member of the German Ornithologists' Society, &c., &c. | — | Perque dies placidos hiberno tempore septem | Incubat alcyone pendentibus æquore midis. | Ovid, Met. xi. 745. | — | London: | published by the author. | — | 1868-71. 1 vol. 4to. not paged, plates not numbered. Title, 1 l.; dedication, 1 l.; contents, list of plates and introduction, pp. i-1xxii, with 1 plate of generic details and 1 map. Text, unpagged, 304 pp. Plates, unnumbered, 120. Index, pp. i-xii. List of subscribers, 1 page. Published in 15 parts, 1868-1871, as follows:—
Part I, July 1, 1868; II, Oct. 1, 1868; III, Jan. 1, 1869; IV, Apr. 1, 1869; V, July 1, 1869; VI, Oct. 6, 1869; VII, Jan. 1, 1870; VIII, Apr. 1, 1870; IX, July 1, 1870; X, XI, Oct. 1, 1870; XII, Nov. 1, 1870; XIII, Dec. 1, 1870; XIV, XV, Jan. 1, 1871; the last containing the permanent title, introduction, and other furnishings.
According to the table of contents the pages and plates are citable as follows:
Alcedo isipida, p. 1, pl. 1; *bengalensis*, p. 11, pl. 2; *grandis*, p. 19, pl. 3; *malaccensis*, p. 21, pl. 4; *asiatica*, p. 23, pl. 5; *quadribrachys*, p. 25, pl. 6; *semitorquata*, p. 27, pl. 7; *euryzona*, p. 29, pl. 8; *beryllina*, p. 31, pl. 9. *Corythornis vintzioides*, p. 33, pl. 10; *eristata*, p. 35, pl. 11; *caruleocephala*, p. 39, pl. 12. *Aleyone azurca*, p. 41, pl. 13; *pulchra*, p. 45, pl. 14; *diemensis*, p. 47 (no pl.); *lessoni*, p. 49, pl. 15; *affinis*, p. 51, pl. 15; *pusilla*, p. 53, pl. 16; *cyanopectus*, p. 55, pl. 17. *Ceryle guttata*, p. 57, pl. 18; *lugubris*, p. 59 (no pl.); *rudis*, p. 61, pl. 19; *maxima*, p. 67, pl. 20; *sharpii*, p. 71, pl. 21; *torquata*, p. 73, pl. 22; *stellata*, p. 77 (no pl.); *alcyon*, p. 79, pl. 23; *amazonia*, p. 83, pl. 24; *cabanisi*, p. 87, pl. 25; *americana*, p. 89, pl. 26; *inda*, p. 91, pl. 27; *superciliosa*, p. 93, pl. 28. *Pelargopsis melanorhyncha*, p. 95, pl. 29; *amauroptera*, p. 97, pl. 30; *leucocephala*, p. 99, pl. 31; *gouldi*, p. 101, pl. 32; *fraseri*, p. 103, pl. 33; *gurali*, p. 105, pl. 34; *malaccensis*, p. 107 (no pl.); *burmanica*, p. 109, pl. 35; *florestana*, p. 111, pl. 36. *Ceyx philippensis*, p. 113, pl. 37; *solitaria*,

1868-71. SHARPE, R. B.—Continued.

p. 115, pl. 38; *melanura*, p. 117, pl. 39; *tridactyla*, p. 119, pl. 40; *rufidorsa*, p. 121, pl. 41; *sharpii*, p. 123, pl. 42; *dillwynii*, p. 125, pl. 43; *cajeli*, p. 127, pl. 44; *wallacei*, p. 129, pl. 45; *lepida*, p. 131, pl. 46; *uropygialis*, p. 133, pl. 47. *Ceycopsis fallax*, p. 135, pl. 48. *Ispidina madagascariensis*, p. 137, pl. 49; *leucogastra*, p. 139, pl. 50; *picta*, p. 141, pl. 51; *natalensis*, p. 145, pl. 52; *ruficeps*, p. 147, pl. 53; *lecontei*, p. 149, pl. 54. *Syma torotoro*, p. 151, pl. 55; *flavivirostris*, p. 153, pl. 56. *Halcyon coromanda*, p. 155, pl. 57; *badia*, p. 159, pl. 58; *smyrnenensis*, p. 161, pl. 59; *gularis*, p. 165, pl. 60; *cyanoventris*, p. 167, pl. 61; *pileata*, p. 169, pl. 62; *erythrogastra*, p. 171, pl. 63; *semicaerulea*, p. 173, pl. 64; *albiventris*, p. 177, pl. 65; *orientalis*, p. 181, pl. 66; *chelicutensis*, p. 183, pl. 67; *senegaloides*, p. 157, pl. 68; *cyanoleuca*, p. 189, pl. 69; *senegalensis*, p. 191, pl. 70; *dryas*, p. 193, pl. 71; *malimbica*, p. 195, pl. 72; *albicilla*, p. 197, pl. 73; *leucopygia*, p. 199, pl. 74; *nigrocyanæa*, p. 201, pl. 75; *lazuli*, p. 203, pl. 76; *diops*, p. 205, pl. 77; *macleani*, p. 207, pl. 78; *pyrrhopygia*, p. 211, pl. 79; *cinnamomina*, p. 213, pl. 80; *australasie*, p. 215, pl. 81; *lindsayi*, p. 217, pl. 82; *concreta*, p. 219, pl. 83; *hombrovi*, p. 221, pl. 84; *sacra*, p. 223, pl. 85; *juliae*, p. 227, pl. 86; *chloris*, p. 229, pl. 87; *sordida*, p. 233, pl. 88; *forsterii*, p. 235, pl. 89; *vagus*, p. 237, pl. 90; *sancta*, p. 239, pl. 91; *funebis*, p. 243, pl. 92. *Todirhamphus veneratus*, p. 245, pl. 93; *recurvirostris*, p. 247, pl. 94; *tutus*, p. 249, pl. 95. *Carcineutes pulchellus*, p. 251, pl. 96; *melanops*, p. 253, pl. 97. *Monachalcyon monachus*, p. 255, pl. 98. *Caridonax fulgidus*, p. 257, pl. 99. *Tanyseptera sylvia*, p. 259, pl. 100; *doris*, p. 263, pl. 101; *enilize*, p. 265, pl. 102; *sabrina*, p. 267, pl. 103; *nympha*, p. 269, pl. 104; *elliotti*, p. 271, pl. 105; *hydrocharis*, p. 273, pl. 106; *acis*, p. 275, pl. 107; *margarethæ*, p. 277, pl. 108; *naïs*, p. 279, pl. 109; *galeata*, p. 281, pl. 110; *riedeli*, p. 283, pl. 111. *Ducelo gigas*, p. 285, pl. 112; *leachi*, p. 289, pl. 113; *cervina*, p. 291, pl. 114; *occidentalis*, p. 293, pl. 115; *gaudi-ohaudi*, p. 295, pl. 116; *tyro*, p. 297, pl. 117. *Cittura sanghirensis*, p. 299, pl. 118; *cyanotis*, p. 301, pl. 119. *Melidora macrorrhina*, p. 303, pl. 120.

In addition to these plates of species, there is one of generic details, 27 figures, and a map of family relationships.

The introduction includes elaborate essays on the classification of the family, with diagnoses of all the genera and species recognized, and on the geographical distribution, as well as an important résumé of the literature of the subject. The family is divided into two sub-families, *Alcedininae*, with 5 genera and 41 spp., and *Daceloninae*, with 14 genera and 84 spp.

The monograph is a model one; it at once became and remains the leading authority on the subject, and forms the corner-stone of the author's high reputation.

Cf. *Ibis*, 1868, pp. 472, 473; 1869, pp. 215, 216; 1870, pp. 121, 122, 506, 507; *J. f. O.*, 1870, pp. 377-380; *Am. Nat.*, iii, 1869, pp. 149, 150.

1869. DAVIS, H. The Kingfisher in Winter [*Ceryle alcyon*, in Minnesota]. < *Am. Nat.*, iii, 1869, p. 389.

1869. RIDGWAY, R. The Belted Kingfisher [*Ceryle alcyon*] again. < *Am. Nat.*, iii, 1869, pp. 53, 54.

Observations on the nidification of *Ceryle alcyon*, with reference to conflicting statements in this journal.

1869. WILLIAMS, C. E. Nest of the Belted Kingfisher [*Ceryle alcyon*]. < *Am. Nat.*, ii, 1869, pp. 614, 615.

Note on two nests, with reference to discussion between W. Wood and W. E. Endicott.

1870. HUGHES, D. D. The Kingfisher's [*Ceryle alcyon*] Nest. < *Am. Nat.*, iii, 1870, p. 616.

Notes on several nests of *Ceryle alcyon*.

1870. FINSCH, O. R. B. Sharpe's Monographie der Alcedinidæ. < *J. f. O.*, xviii, 1870, pp. 377-380.

1873. ABBOTT, C. C. Feeding Habits of the Belted Kingfisher [*Ceryle alcyon*]. < *Zoologist*, 2d ser., viii, 1873, pp. 3527, 3528.

From 'Nature,' Mar. 13.

1873. ANON. Kingfishers and Fish. < *Am. Sportsman*, ii, 1873, p. 187.

Method in which *Ceryle alcyon* handles and swallows its prey discussed.

1873. BREED, E. E. The Kingfisher [*Ceryle alcyon*]. < *Am. Nat.*, vii, 1873, p. 634.

On the way in which its food is prepared for deglutition.

1874. SCHLEGEL, H. Revue de la Collection des Alcedines faisant partie du Musée des Pays-Bas. < *Mus. Nat. Hist. Pays-Bas*, 11^e livr., Juin, 1874, pp. 1-48.

See the original article, to which this is supplementary, 1863.

1878. BICKNELL, E. P. [Migrations of Kingfisher (*Ceryle alcyon*).] < *The Country*, i, Feb. 16, 1878, p. 229.

1878. BROWN, N. C. [Late stay of Kingfisher (*Ceryle alcyon*) in New England.]
 < *The Country*, i, Jan. 26, 1878, p. 181.
1878. COUES, E. Habits of the Kingfisher (*Ceryle alcyon*). < *Bull. Nutt. Ornith. Club*,
 iii, No. 2, Apr., 1878, p. 92.
 Fruit-eating: communicated by Mrs. Mary Treat.
1879. SHAW, C. J. The Belted King Fisher. (*Ceryle Alcyon*.) < *Journ. of Sci.* (Tol-
 edo, Ohio), n. s., ii, No. 8, Dec., 1879.
 Nesting habits.

Capitonidæ.

[In this family I give all the titles I possess.]

1798. SPARRMAN, A. *Bucco atro-flavus*: Et nytt fogel species ifrån Sierra Lionea, beskrifvit. < *Kongl. Vetensk.-Acad. Nya Handl.*, xix, 1798, pp. 305-307, pl. ix.
1836. LAFRESNAYE, F. DE. Barbion. Micropogon. Temm. B. soufré. B. sulphuratus. Lafresn. < *Guér. Mag. de Zool.*, 6^e année, 1836, classe ii, pp. 1-5, notice ix, pl. ix.
Pl. 60, *Micropogon sulphuratus*.—En suite, une liste de sept espèces américaines, asiatiques et africaines du genre.
1837. RÜPPELL, [E.] A Notice of the *Phytotoma tridactyla* of Abyssinia. < *P. Z. S.*, v, 1837, p. 50.
Proposes to call *Pogonias brucei* what had been named by Stanley *Bucco saltii*.
1842. HARTLAUB, [G.] Description d'une nouvelle espèce du genre Barbu [*Bucco malaccensis*], suivie de la liste de toutes les espèces connues de ce genre. < *Revue Zoologique*, v, 1842, pp. 336, 337.
27 espèces.
1849. DEVILLE, E., and DES MURS, O. Notice sur le Barbu orangé de Pérou (*Capito Peruvianus*); sur le Barbu de la Guyane [sic] (*C. erythrocephalus* ou *Cayanensis*) et sur une variété intermédiaire ou espèce nouvelle (*C. amazoniens*?). < *Rev. et Mag. Zool.*, i, 1849, pp. 161-176.
Petite monographie.
1849. LAFRESNAYE, F. DE. Description et figure d'une [réemment] nouvelle espèce d'Oiseau du genre Micropogon de Temminck. < *Rev. et Mag. Zool.*, i, 1849, pp. 116, 117, pl. 4.
M. bourcierii, Lafr., *R. Z.*, 1845, p. 179.
1849. LAFRESNAYE, F. DE. Description et figure d'une [réemment] nouvelle espèce d'Oiseau du genre Micropogon de Temminck. < *Rev. et Mag. Zool.*, i, 1849, pp. 176, 177, pl. 6.
M. hartlaubii, Lafr., *R. Z.*, 1845, p. 180.
1850. [JARDINE, W.] *Megalaima capistratus*, Eyton [n. sp. ?]. < *Jard. Contrib. Orn.*, 1850, p. 29, pl. xlv.
1855. [JARDINE, W.] *Tetragonops ramphastinus* (Jardine). < *Edinb. New Philos. Journ.*, new ser., ii, 1855, p. 404.
1858. SCLATER, P. L. On a new species of Barbet from the Upper Amazon. < *Ann. Mag. Nat. Hist.*, 3d ser., i, 1858, p. 235.
From *P. Z. S.*, Nov. 24, 1857, p. 267. The new species is *Eubucco aurantiicollis*, described among other birds in a paper on Bates's Upper Amazon collections.
1859. VERRAUX, J. Description d'une nouvelle espèce de Barbu [*Laimodon albiventris*] de l'Afrique occidentale. < *P. Z. S.*, xxvii, 1859, pp. 393-400, pl. (Aves) clvii.
Suivie de l'indication synonymatique de 24 espèces africaines.
1861. SCLATER, P. L. On the American Barbets (Capitonidæ). *Ibis*, iii, 1861, pp. 182-190, pl. vi.
Synonymic, diagnostic, and geographical synopsis of 12 spp. of *Capito* and 1 sp. of *Tetragonops* (pl. vi), with critical remarks.
1862. SCLATER, P. L. Additional [Ibis, 1861, 182] Notes on the American Barbets. < *Ibis*, iv, 1862, pp. 1, 2, pl. i.
Capito maculicoronatus.
1864. SCLATER, P. L. On a new Species of *Tetragonops* [frantzii]. *Ibis*, vi, 1864, pp. 371, 372, pl. x.
1865. FRANTZIUS, A. v. [Extract from a letter relating to *Tetragonops frantzii*.] < *Ibis*, 2d ser., i, 1865, p. 551.
Bull. v, 4—13

1865. MILNE-EDWARDS, A. Rapport sur quelques acquisitions nouvelles faites par la galerie ornithologique du Muséum. <Nouv. Arch. du Mus. d'Hist. Nat. de Paris, liv, 1865, Bull., pp. 75-78, pll. iii-v.

Capito quinticolor Elliot, p. —, pl. iv, f. 1, N. Grenada; *Buthraupis edwardsii* Elliot, p. —, pl. iv, f. 2, N. Grenada; *Sitta villosa* Verr., pl. v, f. 1, China.

1867. SCLATER, P. L. Barbets [Capitonidæ] and their Distribution. <Intellectual Observer, Nov., 1867, pp. 241-246, pl.

A popular account of the leading peculiarities of the family *Capitonidæ*, illustrated with a plate representing *Megalæma asiatica*.

1870. MARSHALL, C. H. T., and MARSHALL, G. F. L. [*Megalæma humii*, n. sp.] <*Ibis*, 2d ser., vi, 1870, pp. 536-538.

1870. MARSHALL, C. H. T., and MARSHALL, G. F. L. Notes on the Classification of the Capitonidæ. <*P. Z. S.*, xxxviii, 1870, pp. 117-120, figg. 1-6.

The family is primarily divided into the three subfamilies *Pogonorhynchinæ*, *Megalæminæ*, and *Capitoninæ*; the first represented in Africa and America, the second in Africa and Asia, the third in Africa, Asia, and America. Several of the current genera are rearranged or reorganized; *Stactolema*, g. n., p. 118, type *Buccanodon anchietæ*, Bocage, Africa. The heads of this species, of *Barbatula leucolema*, *Xylobucco duchaillui*, *X. scolopacea*, *Trachyphonus margaritatus*, and *T. purpureus*, are figured.

- 1870-71. MARSHALL, C. H. T., and MARSHALL, G. F. L. A Monograph of the Capitonidæ or Scansorini Barbets. . . . London. 1870, 1871. roy. 8vo. Pub. in 9 parts. Parts i-v, 1870; Parts vi-ix, 1871.

Not seen.

According to the *Zool. Rec.*, whence I take the title and comment herewith presented, Part V contains the Preface and Introduction, the latter beginning with a dissertation on the theory of evolution, which is followed by an account of the literature relating to the special subject, to which succeeds a chapter on the classification and geographical distribution.

The species figured are as follows:

Part I. *Megalæma virens*, *M. versicolor*, *M. henrici*, *Calorhamphus lathamii*, *Tricholema hirsuta*, *Trachyphonus margaritatus*, *Capito maculicoronatus*, *C. aurovirens*. Part II. *Pogonorhynchus dubius*, *Tetragonops frantzii*, *Xylobucco duchaillui*, *Trachyphonus cafer*, *Capito bourcierii*, *Megalæma lineata*, *M. hodgsonii*, *M. flavifrons*. Part III. *Megalæma zeylanica*, *M. caniceps*, *M. nuchalis*, *M. faber*, *M. australis*, *Xantholema rubricapilla*, *Stactolema anchietæ*, *Pogonorhynchus leuccephalus*. Part IV. *Megalæma viridis*, *M. asiatica*, *M. oorti*, *M. phæostriata*, *Trachyphonus goffini*, *T. purpuratus*, *T. squamiceps*, *Barbatula leucotis*. Part V. *Megalæma chrysopogon*, *Xantholema hemacephala*, *Capito auranticollis*, *Psilopogon pyrolophus*, *Calorhamphus fuliginosus*, *Pogonorhynchus abyssinicus*, *P. torquatus*, *P. bidentatus*. Part VI. *Pogonorhynchus rolleti*, *P. diadematus*, *P. melanocephalus*, *Megalæma inornata* (*Zool. Rec.*, vii, p. 43), *Gymnobucco bonapartii*, *Xantholema malabarica*, *Barbatula bilineata*, *B. atroflava*, and *Capito versicolor*. Part VII. *Xantholema rosea*, *Megalæma javensis*, *M. mystacophonus*, *M. humii* (*Zool. Rec.*, vii, p. 43), and *M. franklini*, *Tetragonops rhamphastinus*, *Gymnobucco calvus*, and *Xylobucco scolopaceus*. Part VIII. *Megalæma armillaris*, *M. chrysopsis*, *M. corvina*, *Pogonorhynchus vieilloti*, *P. leucomelas*, *Capito richardsoni*, *C. niger*, and *C. auratus*. Part IX. *Pogonorhynchus melanopterus*, *P. undatus*, *Barbatula leucolema*, *B. pusilla*, *B. sub-sulphurea*, *B. chrysocoma*, *B. uropygialis*, *Capito glaucogularis*, *C. quinticolor*, *Megalæma legrandieri*, *M. duraucchi*, and *M. cyanotis*.

Cf. *Ibis*, 1870, pp. 505, 506; 1871, pp. 451, 452; and *Zool. Rec.* for 1870 and 1871.

1870. [NEWTON, A.] [Announcement of the Messrs. Marshall's Monograph of the Capitonidæ.] <*Ibis*, 2d ser., vi, 1870, p. 156.

1870. SWINHOE, R. The Large Barbet [*Megalæma marshallorum* n. sp.] of the Himalayas in want of a Name! <*Ann. Mag. Nat. Hist.*, 4th ser., vi, 1870, p. 345.

1872. MARSHALL, C. H. T., and MARSHALL, G. F. L. [Note on the validity of *Megalæma marshallorum*.] <*Ibis*, 3d ser., ii, 1872, p. 327.

1873. LLOYD, J. H. On a new Species of Barbet [*Megalæma sykesi*] from Western India. <*Ibis*, 3d ser., iii, 1873, pp. 124, 125.

Bucconidæ.

1836. GOULD, J. [Characters of a new species of *Tamatia* (*T. bicincta*).] < *P. Z. S.*, iv, 1836, pp. 80, 81.
1845. LAFRESNAYE, F. DE. Description de deux nouvelles espèces d'Oiseaux. < *Revue Zoologique*, viii, 1845, pp. 179, 180.
Micropogon bourcierii, p. 179; *M. hartlaubi*, p. 180.
1850. LAFRESNAYE, F. DE. Description et figure d'une nouvelle espèce de Barbacou [*Monasa mystacalis*]. < *Rev. et Mag. Zool.*, ii, 1850, pp. 215, 216, pl. 3.
Avec la description d'une autre nouvelle espèce, *M. axillaris*, p. 216.
1851. CASSIN, J. Descriptions of new species of Birds of the genera *Galbula* and *Bucco*, Briss., specimens of which are in the collection of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Phila.*, v, Feb. 1851, pp. 154, 155, pll. vii, viii.
The new *Bucco* here described and figured is *B. ordii*, p. 154, pl. viii, from Venezuela.
1853. SCLATER, P. L. Descriptions of New Species of Bucconidæ. < *P. Z. S.*, xxi, 1853, pp. 122-124, pll. 1, li.
Bucco radiatus, p. 122, pl. 1; *B. striatipectus*, *Malacoptila fulvogularis*, *M. substriata* (pl. li), *M. aspersa*, p. 423.
1854. SCLATER, P. L. A Synopsis of the Fissirostral family Bucconidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xiii, 1854, pp. 353-365, 474-484.
Very complete, giving synonymy, diagnosis, geographical distribution, and much critical matter. *Bucco*, 15 spp.; *Malacoptila*, 12 spp.; *Monasa*, 4 spp.; *Chelidoptera*, 2 spp.
1854. SCLATER, P. L. Synopsis | of | the Fissirostral Family | Bucconidæ, | accompanied by four coloured plates | of hitherto unfigured Species. | By | Philip Lutley Sclater, M. A., F. Z. S., | Fellow of Corpus Christi College, Oxford. | — | Reprinted, with Additions, from the | Annals and Magazines of Natural History. | 2nd Series, 1854. | — | London: | Samuel Highley, 32 Fleet Street. | 1854. 1 vol. 8vo. pp. 24, pll. 4.
In this excellent monograph the author, after reviewing the previous arrangements of the group, especially insisting upon the separation of the family from the Scansorial Barbets or *Capitonidæ*, and noting their restriction to tropical America, divides the species into four genera: 1) *Bucco* with *Tamatia*, *Chaunornis* and *Cyphos* as subgenera, 2) *Malacoptila* with *Nonnula* as a subgenus, 3) *Monasa*, 4) *Chelidoptera*. *Bucco* has 15 spp., *Malacoptila* 12, *Monasa* 4, *Chelidoptera* 2. These 33 species are carefully worked out, with all the synonymy the author was able to discover (excepting that relating to *Capito senilis* Tschudi = *Bucco senilis* Poeppig ms.), diagnosis, habitats, and critical comment. The species figured are *Bucco ruficollis*, pl. 1; *B. bicinctus*, pl. 2; *B. lanceolatus*, pl. 3; *Chelidoptera albipennis*, pl. 4. The name *Nonnula* Scl. is new or recently so. Several lately new species of Sclater's were described in the *P. Z. S.* for Dec. 13, 1853.
1855. SCLATER, P. L. Characters of some apparently New Species of Bucconidæ, accompanied by a geographical Table of the family. < *P. Z. S.*, xxiii, 1855, pp. 193-196, pll. cv, cvi.
Bucco hyperrhynchus, pl. cv; *B. dysoni* "Gray", p. 193; *B. pulmentum* Bp. et Verr. MSS., pl. cvi; *Monasa peruana* Bp. et Verr. MSS., *Bucco picatus*, p. 194; *Malacoptila nigrifusca*, p. 195, spp. nn. 5 genera, 40 spp.
1855. SCLATER, P. L. Descriptions of New Species of Bucconidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 292-294.
From *P. Z. S.*, Dec. 13, 1853.
1856. SCLATER, P. L. Characters of some apparently New Species of Bucconidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 260-263.
From *P. Z. S.*, Nov. 13, 1855.
1861. GIEBEL, C. G. Zur Osteologie der Gattung *Monasa*. < *Zeitschr. f. d. gesammte Naturwiss.*, xviii, 1861, pp. 121- —.
Nicht mir selbst zugänglich.

1862. SCLATER, P. L. On a New Species of *Malacoptila* [*M. poliopsis*] from Western Ecuador. < *P. Z. S.*, xxx, 1862, pp. 86, 87, pl. viii.

1863. GOFFIN, A. *Buccones*. < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., Janv., 1863, pp. 1-66; 3^e livr., 1863, pp. 67-98.

The group "*Buccones*" of this author, who may have caught a spirit of retrograde classification from the Director of the Leyden Museum, consists of the two very distinct families of *Capitonidæ* and *Buconidæ*,—the distinction between which, however, is recognized by the primary division of the group into two, according as the rectrices are 10 (*Capitonidæ*) or 12 (*Buconidæ*) in number; equivalent respectively to the "scansorial" and "fissirostral" Barbets. Of the former are treated 11 spp. of *Pogonorrhynchus*, 34 of *Megalaima*, 1 *Tetragonops*, 11 of *Capito*, and 1 *Calorhamphus*. Of the latter are given 11 spp. of *Bucco*, 4 of *Malacoptila*, 3 of *Monasa*, and 1 of *Chelidoptera*. The groups are, together, represented by 300 specimens in the Leyden Museum. Various species, not represented in the Collection, are also treated in the foot-notes.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American Birds of the Families Fringillidæ, Oxyrhamphidæ, Buconidæ, and Strigidæ. < *P. Z. S.*, xxxvi, 1868, pp. 322-329, pl. xxix.

Monasa grandior, sp. n., p. 327.

1853. TRISTRAM, H. B. Occurrence of the Jacamar (*Galbula ruficauda*) in Lincolnshire. < *Zoologist*, xi, 1853, pp. 3906, 3907.
1855. SCLATER, P. L. Remarks on the Arrangement of the Jacamars (*Galbulidæ*), with Descriptions of some New Species. < *P. Z. S.*, xxiii, 1855, pp. 13-16, pl. (Aves) lxxvii.
6 genn., 20 spp. *Galbula fuscicapilla*, p. 13, pl. lxxvii; *Urogalba amazonum*, p. 14; *Brachygalba melanosternum*, p. 15, spp. nn. Besides these new species the paper includes some important rectifications resulting from investigations made since the writer's 'Synopsis' of 1853 appeared, and a table of Geographical Distribution. The genus *Galbuloides* is eliminated as probably fictitious.
1856. SCLATER, P. L. Remarks on the Arrangement of the Jacamars (*Galbulidæ*), with Descriptions of some New Species. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 70-73.
From *P. Z. S.*, Jan. 9, 1855, pp. 13-16

Rhamphastidæ.

1773. ———. Naturgeschichte des grossschnablichten Pfeffervogels. < *Berlin*.
Samml., Bd. v, 1773, pp. 294–302.

Not seen—title from Carus and Engelmann.

1795. SPALOWSKI, J. J. A. Beschreibung und Abbildung der Ramphastos viridis und monota L. < *Neuere Abhandlungen der K. Böhmer. Gesellsch.*, ii, 1795, pp. 172–178, 2 pll.

Not seen.

- “1803–1818.” LEVAILLANT, F. Histoire Naturelle | des Oiseaux de Paradis | et des Rolliers, | suivie de celle des Toucans et des Barbus, | par | François Lavail-
lant. | Tome premier [second; et un troisième (Promerops. Guépriers)]. |
[Monogram.] | Paris, | Chez { Denué le jeune, Libraire, rue Vivienne, n^o. 10. |
{ Perlet, Libraire, rue de Tournon [mut. aut.]. |
1806. [“1803–1818.”] 3 vols. gr. in-fol. 196 planches coloriées et les doubles en noir, savoir :—

[*Vol. I.*]

Histoire Naturelle des Oiseaux de Paradis et des Rolliers, suivie de celle des Toucans et des Barbus, [etc.] Vol. I. Faux titre, titre, pp. 1–153, i, ii, pll. 1–56.

Histoire Naturelle des Oiseaux de Paradis. pp. 1–68, pll. 1–24. [PARADISEIDÆ, etc.]

Histoire Naturelle des Rolliers et des Geais. pp. 69–116, pll. 25–39. [CORACIDÆ, MOMOTIDÆ, etc.]

Histoire Naturelle des Geais. pp. 117–153, pll. 40–56. [CORVIDÆ, COTINGIDÆ, etc.]

[*Vol. II.*]

Histoire Naturelle des Oiseaux de Paradis et des Rolliers, suivie de celle des Toucans et des Barbus, [etc.] Vol. II. Faux titre, titre, pp. 1–133, i, ii, 1 feuillet, pll. 1–57.

Histoire Naturelle des Toucans. pp. 1–46, pll. 1–18. [RHAMPHASTIDÆ.]

Histoire Naturelle des Barbus. pp. 47–106, pll. 19–46. [CAPITONIDÆ, BUCCONIDÆ.]

Histoire Naturelle des Jacamars. pp. 107–126, pll. 47–54. [GALBULIDÆ.]

Additions aux articles des Barbus proprements dits. pp. 127–133, pll. 55–57.

[*Vol. III.*]

Histoire Naturelle | des Promerops | et des Guépriers, | par | F. Levaillant, |
faisante suite | a celle des Oiseaux de Paradis, | par le même. Faux titre,
1 feuillet; pp. 1–81, 1–67, 1–38, 39–52, i, ij, pll.

1^{ère} PARTIE. Histoire Naturelle des Promerops. pp. 1–81, pll. 1–32.

2^{ème} PARTIE. Histoire Naturelle des Guépriers. pp. 1–67, pll. 1–20. [MERO-
PIDÆ.]

3^{ème} PARTIE. Histoire Naturelle des Couroncoucs, et des Touraoucs. pp. 1–38, pll. 1–20. [TROGONIDÆ, MUSOPHAGIDÆ.]

SUPPLEMENT aux différents genres d'oiseaux décrits dans les deux premiers volumes. pp. 39–52, pll. A, AA, B, C, D, E, F, G, h, K, L.

The whole of this series of splendid monographs forms three large folio volumes, with nearly 200 colored plates, duplicated in black. The titles of Vols. I and II are identical: the title of the third is entirely changed, and does not show on its face that it is not of a different work. The three, however, are uniform, and form parts of one work. It is, in fact, the continuation of Levaillant's *Hist. Nat. Ois. de l'Amérique et des Indes* (itself a supplement to the

"1803-1818 " LEVAILLANT, F.—Continued.

Ois. de l'Afrique), which was announced in 1801 to appear in parts, with 240 plates; only one volume of that, however, came out, with 49 plates. That was, in effect, two monographs, of the *Bucerotidae* and *Cotingidae*; and the present Iconography continues the same system of monographing successive groups of birds; though, unfortunately, the author's groups do not correspond with any recognized modern families.

Volume I is consecutively paged and the plates are continuously numbered throughout. It has two Parts. The first is a monograph of *Paradiiseide*, the second of *Coraciide*, *Momotidae*, certain *Corvidæ*, etc.

Volume II, titled identically with Vol. I, and likewise with a continuous pagination and consecutive numbering of plates throughout, has several monographs, of *Rhamphastide*, *Capitonide*, *Buconide*, *Galbulide*, etc.

Vol. III is less homogeneous. In the first place, the several memoirs are separately paged, and their respective series of plates are separately enumerated. In the next place, it has supplementary matter relating to the subjects treated in the two preceding volumes—this supplement being paged continuously with the last part of the main text, and its plates being lettered instead of numbered. There are three "Parts" in this Volume:—1. *Promerops* (a miscellaneous assortment, *Certhia*, etc.). 2. *Meropide*. 3. *Trogonide* and *Musophagide*.

I indicate thus the general bearing of the several treatises which compose this Iconography; though, as already said, few if any of Levaillant's groups correspond exactly with modern families.

Owing to its extensive and varied composition the work is not an easy one to cite tersely; and it is to be found quoted in such various and loose fashion as to convey the impression that there are as many distinct works as there are monographs in the single one. Figures and descriptions had best be all cited by the leading words "*Ois. DE PARAD.*", giving Vol. I, II, III, as the case may be, and in the instance of the last volume citing also name of the monograph or supplement.

The date of the work is in endless question. I have never yet been able to fix it. The date on the titles of all three of the volumes is the same, 1806; but the work appeared in parts, during several years. According to Engelmann, there were 33 livraisons, running from 1803 to 1818; but he gives no sufficient particulars. The date is of less consequence, however, as the author uses no scientific names, and therefore raises no question of priority of nomenclature.

The number of plates is ostensibly $56 + 57 + 32 + 20 + 20 + 11 = 196$, but there may be some interpolations. Engelmann gives 198. I have not made the actual count.

1815. TRAILL, T. S. Some Observations on the Bill of the Toucan; in a Letter to the Right Hon. Sir Joseph Banks, Bart., K. B. P. R. S. H. M. L. S. < *Trans. Linn. Soc.*, xi, pt. ii, 1815, pp. 288, 289.

Controverting the notion of its hollowness; noting its great vascularity, and probable use as a delicate organ of smell.

1818. TRAILL, T. S. Tukanschnabel, von Sf. [lege T. S.] Traill. < *Oken's Isis*, Jahrg., ii, 1818, pp. 1921, 1922.

From *Tr. Linn. Soc.*, xi, 1815, p. 288, q. v.

1820. SWAINSON, W. Description of two new Birds of the genus *Pteroglossus*. < *Quart. Journ. Sci. Lit. and Art*, Roy. Inst., ix, 1820, pp. 266-268.

Not seen. The species are *Pt. torquatus*, p. —, and *Pt. sulcatus*, p. —.

1825. BRODERIP, W. J. Observations on the Manners of a live Toucan [*Rhamphastos erythrorhynchus*], now exhibited in this country. < *Zool. Journ.*, i, 1825, pp. 484-488: also p. 591.

1825. LESSON, R. P. Observations sur les habitudes et la manière de vivre d'un Toucan qu'on montre actuellement en Angleterre; par W. J. Broderip. . . . < *Féruss. Bull.*, 2^e scet., vi, 1825, p. 413.

Zool. Journ., Janvier 1825, pp. 484-488.

1826. VIGORS, N. A. On some species of the Ramphastidæ. < *Zool. Journ.*, ii, 1826, pp. 466-483, pl. suppl. 17.

This is a subhead of a much more extensive paper, entitled "Sketches in Ornithology;" &c., which runs through several vols. and years of the periodical cited.

Here occur the descriptions of *Ramphastos ariel*, p. 466, and *Pteroglossus bitorquatus*, p. 481, pl. 17, spp. nn., with much other matter relating to the family at large. (*Féruss. Bull.*, x, 1827, pp. 155-157; *Isis*, 1830, pp. 1060-1065.)

1827. AG. DESM—ST. Suite des Esquisses ornithologiques, ou Observations sur les véritables affinités de quelques groupes d'oiseaux, par M[i. e., N]. A. Vigors.—Sur quelques espèces de Ramphastidées. < *Féruss. Bull.*, 2^e sect., x, 1827, pp. 155–157.
Zool. Journ., ii, 1826, pp. 466–483.
1827. ANON. Systema Avium. Auctor Dr. I. Wagler. Stuttgartiæ apud Cotta. 1827. 8. < *Oken's Isis*, Bd. xx, 1827, pp. 864–873.
 The peculiar plan of the work is illustrated by a transcript of Wagler's treatment of the genus *Rhamphastos*—14 spp.—nearly the whole of the present article being devoted to the exhibit of that genus.
1828. BRODERIP, W. J. Bemerkungen über das Betragen eines lebendigen Tukans [*Rhamphastos*] in London. < *Oken's Isis*, Bd. xxi, 1828, pp. 939, 940.
 Uebers aus d. *Zoological Journal*, i, 1825, Bd. i, Nr. 47, pp. 484–488, 591.
1830. VIGORS, N. A. Ornithologischen Skizzen. Ueber die Verwandtschaft einiger grösserer Vögelgruppen. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1060–1064.
Zoological Journal, Nro. viii, Januar 1826 (vol. ii), pp. 466–483. Ueber einige Arten der Ramphastiden.
1832. OWEN, R. [On the Anatomy of *Ramphastos ariel*, Vig.] < *P. Z. S.*, ii, 1832, pp. 42–46.
- 1833–35. GOULD, J. A Monograph of the Ramphastidæ or Family of the Toucans. London. Published by the Author. 1833–1835. folio. Pub. in 3 parts. 52 colored plates.
 Not seen! There is a 2d ed. 1854, and Suppl. 1855, *q. v.* There is also a German version by Sturm and Sturm, 1841—.
1833. GOULD, J. [Characters of a New Species of Toucan (*Pteroglossus ulocomus*).] < *P. Z. S.*, i, 1833, p. 38.
1833. GOULD, J. [Characters of three New Species of Toucan (*Rhamphastos* and *Pteroglossus*).] < *P. Z. S.*, i, 1833, pp. 69, 70.
R. swainsonii, p. 69; *R. culminatus*, *P. hypoglaucus*, p. 70.
1833. GOULD, J. [Characters of a New Species of Toucan (*Pteroglossus castanotis*).] < *P. Z. S.*, i, 1833, pp. 119, 120.
1834. ANON. A Monograph, etc.—Monographie des Toucans; par M. J. Gould, in-fol., Londres, 1833. < *Ann. des Sci. Nat.*, 2^e sér., i, 1834, p. 256.
 L'annonce de l'ouvrage.
1834. GOULD, J. [Characters of the Genera and Species of the Family Ramphastidæ, Vig.] < *P. Z. S.*, ii, 1834, pp. 72–79.
 This is the most extensive and complete of the earlier notices of the family, treating in all of 22 species.
1834. GOULD, J. [Characters of a New Species of Toucan (*Pteroglossus hæmatopygus*).] < *P. Z. S.*, ii, 1834, p. 147.
1835. GOULD, J. [Exhibition of a living Red-billed Toucan (*Rhamphastos erythrorhynchus*, Gmel.).] < *P. Z. S.*, iii, 1835, p. 21.
1835. GOULD, J. [On a New Species of Toucan (*Rhamphastidæ*, Vig.—*Aulacorhynchus derbianus*).] < *P. Z. S.*, iii, 1835, p. 49.
1835. GOULD, J. [Characters of New Toucans and Araçarís (*Rhamphastidæ*), with a Synoptic Table of the Species of the Family.] < *P. Z. S.*, iii, 1835, pp. 156–160.
Rhamphastos citreopygus, *R. osculans*, p. 156; *Pteroglossus pluricinctus*, *P. humboldtii*, *P. nattereri*, *P. reinwardtii*, *P. langsdorffii*, p. 157; *P. pavoninus*, p. 158. With analytical diagnosis of the species of the family.
1835. GOULD, J. [On Ramphastidæ.] < *Lond. and Edinb. Philos. Mag.*, vii, 1835, pp. 64 and 228.
 From *P. Z. S.*, Dec. 9, 1834, and Apr. 14, 1835.
1835. GOULD, J. [Zeigt einen Toucan, mit merkwürdigen Federn auf dem Kopf, n. s. w.] < *Oken's Isis*, Bd. xxviii, 1835, pp. 523, 524.
P. Z. S., 1833, p. 38.

1835. GOULD, J. Drey neue Vögel [Rhamphastidæ]. <Oken's Isis, Bd. xxviii, 1835, pp. 535, 536.
From *Z. P. S.*, 1833, pp. 69, 70.
1835. GOULD, J. Ein neuer Toucan [Pteroglossus castanotis], nahe verwandt mit Pteroglossus aracari et regalis. <Oken's Isis, Bd. xxviii, 1835, p. 550.
P. Z. S. London, 1833, p. 119. Beschreibung von *Picus flavinucha* folgt.
1835. GOULD, J. Rhamphastidæ Vig. <Oken's Isis, Bd. xxviii, 1835, pp. 1032-1038.
Uebersetzung: *Proc. Zool. Soc. Lond.*, ii, 1834, pp. 72-79.
1835. GOULD, J. Ein neuer Toucan [Pteroglossus haematopygus], von Strickland mitgetheilt aus Südamerica. <Oken's Isis, Bd. xxviii, 1835, p. 1060.
Proc. Zool. Soc. Lond., ii, 1834, p. 147.
1835. OWEN, R. Anatomie von Ramphastos ariel Vig. <Oken's Isis, Bd. xxviii, 1835, pp. 373, 374.
Aus d. *P. Z. S.*, 1832, pp. 42-46.
1836. GOULD, J. Uebersicht der Rhamphastiden. <Arch. f. Naturg., ii, (1), 1836, pp. 307-311.
Nach *P. Z. S.*, 1835, p. 156, seq., mitgetheilt.
1837. GOULD, J. Ueber Ramphastiden. <Oken's Isis, Bd. xxx, 1837, pp. 188-191.
Uebersetzung: *Proc. Zool. Soc. Lond.*, 1835, pp. 156-160.
1837. GOULD, J. Ein neuer Toucan. <Oken's Isis, Bd. xxx, 1837, p. 123.
Proc. Zool. Soc. of Lond., 1835, p. 49.
1837. NATTERER, J. [On a New Species of Araçari (Pteroglossus Gouldii).] <*P. Z. S.*, v, 1837, p. 44.
1837. EDITORIAL. A Monograph of the Family Ramphastidæ. By J. Gould, F. L. S. Three parts, folio, 1833-36, London. <*Mag. of Zool. and Bot.*, i, 1837, pp. 187-192.
Extended review.
1839. WATERHOUSE, G. R. [Description of a New Species of Toucan (Pteroglossus nigrirostris).] <*P. Z. S.*, vii, 1839, pp. 111, 112.
1840. FRASER, L. [Exhibition of some specimens of the true Pteroglossus Azarae of Wagler and Vieillot.] <*P. Z. S.*, viii, 1840, pp. 60, 61.
- 1841-4-. GOULD, J. (*Ed. Sturm.*) Monographie der Ramphastiden oder Tukanartigen Vögel. Aus dem Englischen übersetzt, mit Zusätzen und einigen neuen Arten vermehrt von J. H. C. F. Sturm und J. W. Sturm. . . . Nürnberg, 1841-4-.
- This I have not seen, and can say little about. According to my information, it is in sm. folio, and was published in Parts. Parts i-iii are cited as of 1841, '42; Part iv as of 1847; there are said to be 5 Parts, each of ten colored lithographic plates and as many sheets of letter-press. I should judge by the title that the work is much modified from the original. See *Isis*, 1842, p. 235; 1843, p. 558; 1848, p. 695.
1842. ANON. Gould's Monographie der Ramphastiden, aus dem Englischen übersetzt, mit Zusätzen und einigen neuen Arten vermehrt von H. und G. Sturm. Nürnberg, Pamerstrasse S. Nr. 709. Hft. II. 1841. Kl. Fol. T. 10. <Oken's Isis, Bd. xxxv, 1842, pp. 235, 236.
1842. GOULD, J. On two new Species of Trogon and a new species of Toucan from the Cordillierian Andes. <*Ann. Mag. Nat. Hist.*, ix, 1842, pp. 236-239.
Pteroglossus castanorhynchus, p. 238.
1843. ANON. J. Gould's Monographie der Ramphastiden oder tukanartigen Vögel, aus dem Englischen übersetzt, mit Zusätzen und einigen neuen Arten vermehrt von Fr. u. W. Sturm. Nürnberg. Hft. III. 1842. Kl. Fol. S. 20. Taf. 10. ill. <Oken's Isis, Bd. xxxvi, 1843, p. 558, 559.
1843. GOULD, J. [On two New Species of Birds from the collection formed by Sir Edward Belcher.] <*P. Z. S.*, xi, 1843, pp. 15, 16.
Pteroglossus erythropygius, *Pterocles personatus*, p. 15, spp. nn.
1843. GOULD, J. [On an extensive Series of Toucans. with characters of two New Species.] <*P. Z. S.*, xi, 1843, pp. 147, 148.
Ramphastos citreolæmus, *Pteroglossus pœciloternus*, p. 147. spp. nn.

1844. GOULD, J. [On two new species of Ramphastidæ.] < *Ann. Mag. Nat. Hist.*, xiv, 1844, pp. 61, 62.
From *P. Z. S.*, Dec. 12, 1843.
1848. ANON. J. Gould's Monographie der Ramphastiden oder tukanartigen Vögel, übersetzt und mit Zusätzen und neuen Arten vermehrt von Fr. und W. Sturm. Nürnberg bey den Verfassern 1847. Heft IV. Kl. Fol. < *Oken's Isis*, Bd. xli, 1848, p. 695.
1849. [MITCHELL, D. W.] [Report of the purchase of a specimen of Rhamphastos carinatus.] < *P. Z. S.*, xvii, 1849, p. 94.
1853. GOULD, J. Description of a new species of Aulacorhamphus [cæruleogularis]. < *P. Z. S.*, xxi, 1853, p. 45.
1854. GOULD, J. A Monograph | of | the Ramphastidæ, | or | Family of the Toucans. | By | John Gould, F. R. S., | [etc., 7 lines.] | London: | printed by Taylor and Francis, Red Lion Court, Fleet street. | Published by the author, 20, Broad street, Golden Square. | 1854. 1 vol. folio. pp. 1-28 (title, &c., and introduction); 51 colored plates with as many sheets of letter-press; 1 uncolored plate (details) with 4 pp. of text.
This a second edition, "with new drawings of the old species, and figures and descriptions of no less than eighteen others", making 51 in all. The original edition was published in 1833-35, containing 33 species. There is a supplement, 1855. There is a German version of the orig. ed., 1841 seq.
The introduction gives a general account of the family, the species of which are so brilliantly illustrated in the colored plates. An additional plate, uncolored, with 4 pages of text, represents anatomical observations. The plates are as follows:
1. *R. toco*; 2. *R. carinatus*; 3. *R. brevicarinatus*; 4. *R. tocard*; 5. *R. ambiguus*; 6. *R. erythrorhynchus*; 7. *R. inca*; 8. *R. cuvieri*; 9. *R. citreolæmus*; 10. *R. osculans*; 11. *R. culminatus*; 12. *R. ariel*; 13. *R. vitellinus*; 14. *R. discolorus*. 15. *Pteroglossus aracarí*; 16. *P. wiedi*; 17. *P. pluricinctus*; 18. *P. pœcilostrernus*; 19. *P. castanotis*; 20. *P. torquatus*; 21. *P. erythropygius*; 22. *P. humboldti*; 23. *P. inscriptus*; 24. *P. viridis*. 25. *Beauharnasius ulocomus*; 26. *B. bitorquatus*; 27. *B. sturmi*; 28. *B. azaræ*; 29. *B. flavirostris*; 30. *B. mariæ*. 31. *Selenidera maculirostris*; 32. *S. gouldi*; 33. *S. langsdorffi*; 34. *S. nattereri*; 35. *S. reinwardti*; 36. *S. pipervora*. 37. *Andigena laminirostris*; 38. *A. hypoglaucus*; 39. *A. nigrirostris*; 40. *A. cucullatus*; 41. *A. bailloni*; 42. *Aulacorhamphus sulcatus*; 43. *A. derbianus*; 44. *A. castaneorhynchus*; 45. *A. hæmatopygius*; 46. *A. cæruleocinctus*; 47. *A. prasinus*; 48. *A. wagleri*; 49. *A. albivittata*; 50. *A. atrogularis*; 51. *A. cæruleogularis*.—Plate uncolored of details.
Grammarhynchus, g. n., p. 26.
1855. GOULD, J. Description of a New Species of Aulacorhamphus. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 390, 391.
From *P. Z. S.*, Feb. 22, 1853, p. 45.
1857. CASSIN, J. Notes on the North American species of Archibuteo and Lanius, and description of a new species of Toucan, of the genus Selenidera, Gould. < *Proc. Acad. Nat. Sci. Phila.*, ix, 1857, pp. 211-214.
The new Toucan is named *S. spectabilis*, p. 214.
1858. CASSIN, J. Description of a New Tanager from the Isthmus of Darien, and note on Selenidera Spectabilis, Cassin. < *Proc. Acad. Nat. Sci. Phila.*, x, 1858, pp. 177, 178.
1858. CASSIN, J. Descriptions of New Species of Birds of the genera Selenidera, Gould, and . . . < *Journ. Acad. Nat. Sci. Phila.*, iv, pt. i, Dec. 1858, pp. 5-8, pll. i-iii.
Selenidera spectabilis, pl. i, originally described in *Proc. Phila. Acad.*, 1857, p. 214.—(The remainder of the paper relates to *Numida* and *Phasidus*, and the title will be found in full under *Numididæ*.)
1858. GOULD, J. [On a New Species of Toucan (*Andigena spilorhynchus*).] < *P. Z. S.*, xxvi, 1858, pp. 149, 150.
1858. GOULD, J. On a new species of Toucan. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, p. 388.
From *P. Z. S.*, March 23, 1858.

1865. SCHMIDT, MAX. [Einiges über *Ramphastos discolorus* Gm.] < *Zool. Gart.*, v, 1865, pp. 267, 268.
1866. GOULD, J. Description of a New Species of Toucan belonging to the Genus *Aulacoramphus* [*A. cyanolæmus*]. < *P. Z. S.*, xxxiv, 1866, p. 24.
1867. CASSIN, J. A Study of the *Rhamphastidæ*. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 100-124.
 Monographic. 5 genn., 64 spp. *Burhynchus*, p. 102; *Tucanus*, p. 104; *Ramphodryas*, p. 106; *Boillonius*, p. 114; *Ramphastoides*, p. 117, subgg. nn. No new species are described. Cf. *Zool. Rec.*, iv, 1867, p. 88.
1867. SCHMIDT, MAX. [Einiges über *Ramphastos* im Gefangenschaft.] < *Zool. Gart.*, viii, 1867.
1870. STEVENS, R. P. The Toucan's Beak. < *Am. Nat.*, iv, 1870, pp. 622, 623.
 On the adaptation and uses of the organ in *Rhamphastidæ*.
1871. STEVENS, R. P. *Tukanens Næb*. < *Tidssk. for populære Fremst. af Naturvidensk.*, 4^e ser., iii, 1871, p. 80.
 „Spørgsmaalet: i hvilket Øjemed har Tukanen sit ejendommelige Næb.“
1876. GURNEY, J. H., JR. Toucans in England in the Seventeenth Century. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4838, 4839.
 Extracts from Plot's *Nat. Hist. Oxfordshire*, 1677, and Leigh's *Nat. Hist. Lancashire*, 1700.

Cuculidæ.

[NOTE.—The literature of this family is extensive, but much of it relates to *Cuculus canorus* alone, or is otherwise excluded from presentation here.]

1832. KAUP, J. [J.] *Saurothera marginata*. Eine neue Art aus Mexico. < *Oken's Isis*, Bd. xxv, 1832, pp. 991, 992, pl. xxvi.
1833. CAWDOR, Lord. [Exhibition of a *Coccygus carolinensis* killed in Wales.] < *P. Z. S.*, i, 1833, p. 26.
1835. BOTTA, P. E. Description du *Saurothera californiana*. < *Nouv. Ann. du Mus. d'Hist. Nat.*, iv, 1835, pp. 121-124, pl. (color.) 9.
1835. THOMPSON, W. [*Coccygus americanus* in Great Britain.] < *P. Z. S.*, iii, 1835, pp. 83, 84.
1837. SWAINSON, W. On the Natural History and Relations of the Family of Cuculidæ or Cuckoos, with a view to determine the series of their variation. < *Mag. of Zool. and Bot.*, i, 1837, pp. 213-225, 430-437.
It suffices to remark of this article that it is quinarian.
1839. JARDINE, W. *Horæ Zoologicæ*. No. I. On the History and Habits of *Crotophaga*. < *Ann. Nat. Hist.*, iv, 1839, pp. 160-171, figg. 1, 2.
1840. JARDINE, W. *Horæ Zoologicæ*. No. II. The History and Habits of *Crotophaga* continued from page 171, by the Notes of Mr. Schomburgk on the Manners of the Birds of Guiana. < *Ann. Nat. Hist.*, iv, 1840, pp. 318-322.
1844. JARDINE, W. Über das Betragen der Kielschnabel (Keel-Bills, *Crotophaga*). < *Oken's Isis*, Bd. xxxvii, 1844, pp. 913-918.
Ann. Nat. Hist., iv, 1839, pp. 160-171, and 318-322.
1844. SWAINSON, W. Ueber die Naturgeschichte und die Verwandtschaften der Cuculidæ. < *Oken's Isis*, Bd. xxxvii, 1844, pp. 512, 513.
Mag. Zool. and Bot. Lond., Bd. i, Hft. iii, 1837, pp. 213-225, 430-437.
1847. LAFRESNAYE, [F.] DE. Sur le *Saurothera vetula* (Tacco Vieillard) de Vieillot. < *Revue Zoologique*, x, 1847, pp. 353-360.
4 esp. *S. jamaicensis*, p. 354; *S. dominicensis*, p. 355, spp. nn.
1849. VERREAUX, J., and DES MURS, O. Nouvelle espèce de *Concou* [*Cuculus macrourus*] se rapprochant du genre *Piaya*. < *Rev. et Mag. Zool.*, i, 1849, p. 276.
The species is identified by Gray with *Dromococcyx phasianellus* (Spix) of Brazil.
1849. GRAY, G. R. Description of a new species of the genus *Cultrides* [*C. rufipennis*]. < *P. Z. S.*, xvii, 1849, p. 63, (Aves) pl. x.
From Mexico. (The genus is a synonym of *Neomorphus* Gloger, 1827.)
1850. GRAY, G. R. Description of a new species of the genus *Cultrides* [*C. rufipennis*]. < *Ann. Mag. Nat. Hist.*, 2d ser., v, 1850, p. 224.
From *P. Z. S.*, Apr. 24, 1849, p. 63.
1852. STRICKLAND, H. E. On a new species of *Coccyzus* [*C. pumilus*] from Trinidad. < *Jard. Contrib. Orn.*, 1852, p. 28, pl. lxxxii.
1854. GLOGER, C. W. L. Ein seltsamer Zug in der Fortpflanzung der amerikanischen Kuckuke [*Coccygus americanus*]. < *J. f. O.*, ii, 1854, pp. 219-232.
Mainly from Audubon and Nuttall.
1854. HARTLAUB, G. Beiträge zur exotischen Ornithologie. < *J. f. O.*, ii, 1854, pp. 409-421.
Descriptions of various birds, with critical comment; and, in particular, a review of numerous species of *Cuculidæ*.
1855. JONES, J. C. [Communication presenting a specimen of *Geococcyx* (mexicanus?).] < *Proc. Boston Soc. Nat. Hist.*, v, 1855, p. 258.

1860. REINHARDT, J. Bemærkninger om Redebygningen og Forplantningsforholdene hos *Crotophaga*-Slægten. 8vo. pp. 31.

Aftryk af *Oversigt over det Kgl. danske Vidensk. Selsk. Forhandlinger* o. s. v., Januar 1860.

- 1862-63. CABANIS, J., and HEINE, F. Museum Heineanum. | — | Verzeichniss | der | ornithologischen Sammlung | des | Oberamtmann | Ferdinand Heine | auf | Gut St. Burchard | vor | Halberstadt. | Mit kritischen Anmerkungen und Beschreibungen fast | sämtlicher Arten | systematisch bearbeitet | von Dr. Jean Cabanis, | erstem Custos der königlichen zoologischen Sammlung in Berlin | und | Ferdinand Heine, | Stud. philos. | — | IV. Theil, | die Klettervögel | enthaltend. | Heft I: Kuckuke und Fahlvögel. | — | Halberstadt, 1862-63. | In Commission der Frantz'schen Buchhandlung (G. Loose). 8vo. 2 p. ll, pp. 1-229.

Auch unter d. Titel: Museum | Ornithologicum | Heineanum. | — | Pars IV. Scansores. | Sectio I. | Cuculidæ. Argornithidæ.

The greater part of this Heft is occupied with the *Cuculidæ* (to p. 122), and these sheets all date 1862. The rest consists of the *Bucconidæ* (pp. 123-128 in 1862, rest in 1863) to p. 153, *Trogonidæ* to p. 212 (1863), and *Galbulidæ* to p. 229 (1863). The new names proposed are as follows:

CUCULIDÆ (1862). *Lamprococcyx*, p. 11; *L. chrysoclorus*, p. 11; *Chalcococcyx*, p. 15; *Penthoceryx*, *Misocallius*, p. 16; *Cacangelus*, p. 17; *Cacomantis threnodes*, p. 19; *C. infaustus*, p. 23; *Heteroscenes*, p. 26; *Hiracococcyx*, p. 27; *H. sparverinus*, p. 28; *Caliechthrus*, p. 31; *Cuculus leptodetus*, p. 34; *C. canorinus*, p. 35; *Eudynamis chinensis* [sic—*lege sinensis*], p. 52; *Ceuthmochares*, p. 60; *Rhopodytes*, p. 61; *Rhamphococcyx*, p. 65; *Glaucococcyx*, p. 71; *Cochlothrastes*, p. 74; *Coccyzus nesiotus*, p. 78; *Nesococcyx*, p. 79; *Pyrhococcyx mesurus*, p. 83; *P. guianensis*, p. 85; *P. pallescens*, p. 86; *Acentetus*, p. 102; *Centrococcyx*, p. 109; *C. moluccensis*, p. 113; *Pyrhocentor*, p. 117; *P. unirufus*, p. 118; *Nesocentor*, p. 118.

BUCCONIDÆ (1863—none new in 1862). *Malacoptila aequatorialis*, p. 134; *M. blacica*, p. 137; *Nystalus*, p. 139; *Hypnelus*, p. 143; *Nothriscus*, p. 146; *Argicus*, p. 148; *Notharchus*, p. 149.

TROGONIDÆ (1863). *Pyrotrogon orrhophaeus*, p. 156; *Orescius* (= *Oreskios*, Bp.), p. 161; *Trogon virginialis*, p. 173; *T. propinquus*, p. 175; *Pothinus*, p. 180; *Aganus*, p. 184; *A. crissalis*, p. 190; ? *A. devillei*, p. 191; *Harpalophorus*, p. 199; *Troctes*, p. 201; *T. mesurus*, p. 202; *Tanypeplus*, p. 205; *Leptuas*, p. 206.

GALBULIDÆ (1863). *Brachyceph*, p. 214; *Uroceph*, p. 216; *Caucalias*, p. 218.

1863. HEINE, F. Cuculidina. < *J. f. O.*, xi, 1863, pp. 349-358.

Lamprococcyx chrysites, *L. resplendens*, p. 350; *Cacomantis dysonymus*, *C. querulus*, *Cuculus telephonus*, p. 352; *Coccyzus gracilis*, p. 356, spp. nn.—*Thamnia*, p. 357; *Eutroctes*, p. 358, new generic names in other groups.

1864. SCHLEGEL, H. Cuculi. *Mus. Hist. Nat. Pays-Bas*, 5^e livr., 1864, pp. 1-86.

The *Cuculi* of this author are a superfamily group, consisting of the *Indicatoridæ*, *Leptosomatidæ*, *Musophagidæ*, *Coliidae* and *Opisthocomidæ*! of authors, besides the *Cuculidæ* proper. Each of these families is treated as if of a single genus, excepting the last-named, in which the author allows several. The 122 species treated are represented in the collection by 842 specimens.

1864. SCLATER, P. L. On the Species of the American genus *Coccyzus*. < *P. Z. S.*, xxxii, 1864, pp. 119-122.

Synonymic, diagnostic, and critical synopsis of 8 spp. *C. bairdi*, p. 120, sp. n.

1864. SCLATER, P. L. Notes on the Species of Cuckoos of the Genus *Neomorphus*. < *P. Z. S.*, 1864, pp. 249, 250.

Diagnosis of two species.

1866. SCLATER, P. L. On a New American Cuckoo of the Genus *Neomorphus* [*N. salvi*]. < *P. Z. S.*, xxxiv, 1866, pp. 59, 60, pl. v.

With synopsis of 3 spp.

1869. WALDEN, Lord. On the *Cuculidæ* described by Linnæus and Gmelin, with a sketch of the Genus *Endynamis*. < *Ibis*, 2d ser., v, 1869, pp. 324-346, pl. x.

The author rightly holds that the old names must be either identified or disposed of. He handles the subject critically and patiently, accounting for most of the names.

"Of the 22 Linnean species of *Cuculus*, 3 belong to other families, and 11 of the remaining 19 have been more or less satisfactorily identified, leaving 8 undetermined. Of these, 2 seem to be beyond hope at present; but the names of the last 6 can, it is shown, be referred without much fear of error to the species for which they were intended. The 2 Linnean species

1869. WALDEN, Lord—Continued.

of *Crotophaga* are identical. Gmelin named 24 species and 10 varieties of *Cuculus* in addition to those given by Linnaeus, besides 2 species which belong to other families, 2 which really are Cuckoos though placed in other genera, and 1 *Crotophaga*. Of these 29 only 9 can, from one cause or another, retain Gmelin's names. The genus *Eudynamis* is specially treated, 9 species being recognized, one of which *E. ransomi*, Bp. (*Consp. Av.*, i, p. 101) is figured." (*Zool. Rec. for 1869*, p. —.)

1870. SCLATER, P. L. Further [cf. *P. Z. S.*, 1864, pp. 119 seq.] Notes on the Cuckoos of the Genus *Coccyzus*. < *P. Z. S.*, xxxviii, 1870, pp. 167–169.

Synonymatic and diagnostic synopsis of 8 spp., with critical commentary.

1871. DRESSER, H. E. [Exhibition of a specimen of *Coccyzus americanus* found in Great Britain.] < *P. Z. S.*, xxxix, 1871, p. 299.1872. SCLATER, P. L. [Remarks on Exhibition of a Skin of the Yellow-billed Cuckoo (*Coccyzus americanus*) from Buenos Ayres.] < *Proc. Zool. Soc. London*, 1872, p. 496.1872. SCLATER, P. L. [Remarks on Exhibition of a specimen of *Coccyzus erythrophthalmus* killed in Ireland.] < *Proc. Zool. Soc. London*, 1872, p. 681.

The same specimen formerly recorded (*Zoologist*, p. 2943) as *C. americanus*. The only other instance of the occurrence of this bird in Europe is stated to be in Italy (Bolle, *J. f. O.*, 1858, p. 457; Selys-L., *Ibis*, 1870, p. 452; Salvadori, *Fa. Ital.*, 1871, p. 42).

1872. BLAKE-KNOX, H. American Cuckoo [*Coccyzus erythrophthalmus*] in Ireland. < *Zoologist*, 2d ser., vii, 1872, p. 2943.

Erroneously given as *C. americanus*: cf. *P. Z. S.*, 1872, p. 681.

1872. CLERMONT, Lord. Blackbilled American Cuckoo [*Coccyzus erythrophthalmus*] in Ireland. < *Zoologist*, 2d ser., vii, 1872, p. 3022.1873. CABANIS, J. [*Coccyzus euleri*, n. sp. aus Brasilien.] < *J. f. O.*, 1873, pp. 72, 73.1873. COUES, E. Range of the *Geococcyx californianus*. < *Am. Nat.*, vii, 1874, p. 751.1873. LAWRENCE, G. N. Remarks on *Neomorphus pucherani* and its Allies. < *Ibis*, 3d ser., iii, 1873, pp. 287–295.

Historical. Descriptive synopsis of 4 spp. of the genus.

1874. ANON. [The Road-runner—*Geococcyx californianus*.] < *Am. Sportsman*, iv, 1874, p. 395.

From San Luis Obispo, Cal., *Tribune*.

1874. HUDNUT, J. O. The Paisano [*Geococcyx californianus*] not the Chiacalaca [*Ortalia* sp.] < *Field and Stream* (newspaper of Chicago, Ill.), Apr. 4, 1874.1875. ANON. The Bird Road-Runner [*Geococcyx californianus*.] < *Rod and Gun*, vi, Sept. 25, 1875, p. 396.

Reprint from St. Helena, Cal., *Star*.

1875. BENNER, F. Is the yellow-billed cuckoo parasitic? < *Forest and Stream*, v, Sept. 16, 1875, p. 83.1875. DUBOIS, A. Note sur un *Coccyzus* tué en Belgique. < *Bull. Acad. Roy. Belgique*, xxxix, Jan., 1875, pp. 9–11.

Pas vue moi-même. Un individu du *C. americanus* tué dans le Bois-de-Lessines, le 22 Oct 1874.

1875. "PARVUS." American Cuckoo. < *Rod and Gun*, vii, May 1, 1875, p. 75.

Mere statement of fact that the American species make nests of their own.

1876. CHAMBERS, V. T. The Chapparal Cock. < *Am. Nat.*, x, No. 6, 1876, p. 373.

Request for information respecting food of *Geococcyx californianus*.

1878. BENDIRE, C. Breeding habits of *Geococcyx californianus*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 39.1878. JONES, J. M. Nesting of Cuckoo [*Coccyzus erythrophthalmus*] near Halifax, N. S.]. < *Forest and Stream*, xi, Oct. 10, 1878, p. 204.

1879. BREWER, T. M. Parasitic Birds [Cuculidæ]. < *The Oölogist*, iv, No. 11, June, 1879, p. 85.
1879. BRYANT, W. E. Love-making in the Road-Runner [*Geococcyx californianus*]. < *Science News*, i, No. 7, Feb. 1, 1879, p. 112.
1879. MILLER, Miss F. Strange Story of a California Bird [*Geococcyx californianus*]. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 109, 110.
Habits as observed in semi-domestication.

Psittacidæ.

1733. DUVERNEY, J. G. Anatomie. < *Hist. de l'Acad. Roy. des Sci. de Paris* pour l'année 1682, i, 1733, pp. 344, 345.

Sur le bec d'un Perroquet, p. 344.

1752. CERATI, l'Abbe. [Observation sur l'âge auquel peuvent parvenir les Perroquets.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1747, 1752, pp. 57, 58.

Une espèce de Cacatua—près de cent-vingt années.

1753. ISNARD, A. D. DE. [Observation sur un Perroquet qui pondit un œuf en France.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1727, 1753, pp. 25, 26.

- 1801-05. LEVAILLANT, F. Histoire Naturelle | des Perroquets, | par François Levaillant. | — | Tome premier [second]. | [Monogram.] | A Paris, | Chez Levrault, Schoell et C.^e, rue de Seine S. G. | — | Strasbourg, de l'imprimerie de Levrault. | An xii (1804). [1801-1805.] Pub. livr. I-XXIV, titled and paged for 2 vols. folio. Vol. I, half-title, title, dedication, preface, each 1 leaf. Text pp. 1-135, 1 leaf (table); pl. col'd 1-71. Vol. II, half-title, title, each 1 leaf. Text pp. 1-111; pl. 72-139.

This is the earliest of the great Parrot Monographs; a splendid work, worthy associate of the others from the same celebrated source. The two volumes of 139 plates, describing 90 species of the family, were followed in 1837-38 by a third (supplementary) volume by Bourjot St. Hilaire, with 111 plates of 88 species; to which a fourth vol. of 48 plates and about as many species was added by De Sonance in 1857-58, these together making by far the most extensive Iconography of the Parrots extant.

It is to be always regretted, for Levaillant's sake, that, while he described so carefully and so brilliantly figured numberless species of birds, many of them before unknown, he did not in any of his four great works use the system of nomenclature which would have entitled him to full recognition. He is the real author of very many new species to which systematic names were later applied by Vieillot and others, who consequently get all the perfunctory credit that should have gone to Levaillant. Buffon, Brisson and Levaillant are the three great French names in ornithology which are not citable for species.

The beautiful plates of this work were drawn from nature, engraved and printed in colors under the direction of Bouquet. The text (as is not very often the case with Iconographies like this) is much more than a brief description of the objects represented, occupying usually more than one leaf to a plate, and going into many particulars concerning the species of this family. The whole work forms the corner-stone of the special literature of *Psittacidæ*.

1801. MOROZZO, [C. L.] Letter from Count Morozzo to C. Laccpede, respecting a Parrot hatched at Rome; together with some Observations on the duration of the Life of these Birds. < *Tilloch's Philos. Mag.*, xii, 1801, pp. 235-246.

From *Journ. de Physique*, Ventose, An 10.

I. History of the laying and incubation of a pair of Brazilian Parrots. II. Their habits, attachment, mode of rearing their young. III. Description of ♂, ♀, and young (= Amazon Parrot of Barrere, *Fr. Equinox.*, p. 144). IV. Instances of some Parrots which have laid in Europe. V. Conjectures on the duration of the life of Parrots, including a table of the duration of incubation and life of several birds, and periods of gestation in several mammals, in comparison with the duration of their life.

1802. MOROZZO, [C. L.] Histoire d'un Perroquet né à Rome, suivie de quelques observations sur la durée de la vie des oiseaux. < *Journ. de Phys., Chim., et Hist. Nat.*, liv, 1802, pp. 180-193.

L'histoire de ces Perroquets, et celle de leur ponte et de leur incubation.—Leurs habitudes, amours, et la manière d'élever leurs petits.—Description de ces oiseaux.—Conjectures sur la vie des perroquets, etc.; "j'en ai vu un moi-même qui étoit depuis 75 ans dans la même maison." Table de la durée de l'incubation, et de la vie de plusieurs oiseaux.

1803. MOROZZO, C. L. Relation De deux fœtus produits par les mêmes perroquets qui dans l'année 1801 ont donné un petit, à Rome. < *Journ. de Phys., Chim., et Hist. Nat.* lvi, 1803, pp. 347-350.

Bull. v, 4—14

1820. KÜHL, H. H. Kuhl, Ph. Dr. Ac. C. L. C. N. C. S. | *Conspectus Psittacorum.* | Cum specierum definitionibus, novarum descriptionibus, | synonymis et circa patriam singularum naturalem | adversariis, | adjecto indice museorum, ubi earum | artificiosae exuviae servantur. | Cum Tabulis III. aeneis pictis. | [n. d., n. p.; Bonnæ, 1820.] 1 vol. 4to. pp. 104, pl. iii.

Novis Actis Acad. Cæs. Leop.-Carol. Nat. Cur., vol. x, pars i, 1820, pp. 4-104.

De speciebus 209 Psittacorum tractat auctor celeberrimus, quarum novas "circa 40, nunquam descriptas" continet monographia sua. Species signo f notatas vidit ipse et sec. naturam descripsit.

Species omnes ad genus *Psittaci* unicum relatæ sunt, hoc genere in sect. vi. diviso, sc., 1. *Ara*; 2. *Convers* (p. 4); 3. *Psittacula*; 4. *Psittacus* ipse; 5. *Kakadæ*! (p. 11); 6. *Probosciger* (p. 13).—I. *Ara*, A, colore coccineo, spp., 1-3; B, colore caeruleo, 4, 5; C, colore viridi, 6-10. II. *Convers*, A, Americani, 11-28; B, Africani, 29-33; C, Asiatici, 34-61; D, Australes, 62-92. III. *Psittacula*, A, Americani, 93-102; B, Africani, 103-105; C, Asiatici, 106-115; D, Australes, 116-119. IV. *Psittacus*, A, Americani, 120-144; B, Africani, 145-147; C, Asiatici, 148-150; D, Australes, 151, 152. V. *Kakadæ*, A, Indici, 153-156; B, Australes, 157-164. VI. *Probosciger*, 165, 166.—Psittaci patriæ incertæ, 167-171.—Psittaci dubii, aut auctori incogniti, ab aliis descripti, 172-209.

Species sequentes sanè novas asterisco notavi; reliquæ forsàn prius descriptæ.

10. *Psittacus illigeri*, Temm. et Kuhl, p. 19 (= *P. fuscus*, Mus. Berol. nomine inepto). 24. *P. viridissimus*, Temm. et Kuhl, p. 25. 63. *P. platyrus*, Temm. et Kuhl, p. 43. 67. *P. erythronotus*, p. 45. *P. auriceps*, p. 46. 75. *P. chlorolepidotus*, p. 48. 77. *P. ultramarinus*, p. 49. 78. *P. chrysostomus*, p. 50, pl. i. 82. *P. spurius*, p. 52. 84. *P. cyanomelas*, p. 53. 86. *P. icterotis*, Temm. et Kuhl, p. 54. 90. *P. brownii*, p. 56. 94. *P. st. thomæ*, p. 58. 104. *P. swinderhamus*, p. 62, pl. ii ("swinderianus," lapsu). 111. *P. simplex*, p. 66. 113. *P. micropterus*, p. 67. 125. *P. brachyurus*, Temm. et Kuhl, p. 72. 127. *P. maximiliani*, p. 72. 133. *P. cyanotis*, Temm. et Kuhl, p. 77. 134. *P. erythrurus*, p. 77. 148. *P. spadiceocephalus* (!), p. 84. 158. *P. tenuirostris*, p. 88. 159. *P. eos*, p. 88. 162. *P. temminckii* (sic), p. 89. 164. *P. leachii*, p. 91, pl. iii. 166. *P. goliath*, p. 92. 168. *P. bitorquatus*, p. 92. 171. *P. fuscicollis*, p. 95.

12. *P. auricapillus*, "Licht.," p. 20. 15. *P. leucotis*, "Licht.," p. 21. 96. *P. surdus*, "Ill.," p. 59. 97. *P. melanotus*, "Licht.," p. 59. 102. *P. vulturinus*, "Ill.," p. 62. 121. *P. leucogaster*, "Ill.," p. 70.

De Vaillant opere "Histoire Naturelle des Perroquets," pp. 102-104.

Exemplum hujusce opusculi quod examinavi in *Biblioth. Reip. Amer.* olim cl. Okeno d. d. auctor, ut patet notâ msc. ante titulum: „Herrn Hofrath Dr Oken vom Vfs.“

1821. KÜHL, H. [Auszüge aus seinem Conspectus Psittacorum.] < *Oken's Isis*, Jahrg. v, 1821, pp. 951-962.

Die Originalausgabe ist enthalten in den *Neue Verh. der Kaiserl.-Leop.-Carol. Acad.*, Bd. x., Abth. i, 1820, pp. 4-104; auch besonders gedruckt, 4to, Bonnæ, 1820. Der obige Aufsatz besteht nur aus einer Synopsis der Gattungen und einem Verzeichniß der Arten, nebst einem Anhang des Herausgebers über die Levaillant'sche „Naturgeschichte der Papageien.“

1821. TEMMINCK, C. J. Account of some new Species of Birds of the Genera *Psittacus* and *Columba*, in the Museum of the Linnean Society. < *Trans. Linn. Soc.*, xiii, pt. i, 1821, pp. 107-130.

Psittacus cookii, p. 111; *P. solandri*, p. 113; *P. nasicus*, p. 115; *P. flavigaster*, p. 116; *P. baueri*, p. 118; *P. brownii*, p. 119; *P. multicolor*, p. 119; *P. icterotis*, p. 120; *P. venustus*, p. 121; *P. pulchellus*, p. 122. *Columba dilopha*, p. 124; *C. magnifica*, p. 125; *C. leuconela*, p. 126; *C. scripta*, p. 127; *C. humeralis*, p. 128; *C. phasianella*, p. 129. Memoir in French.

1822. EDITORIAL. Notice regarding the History and Distribution of the genus *Psittacus* or Parrot. < *Edinb. Philos. Journ.*, vii, 1822, pp. 398-401.

1823. DESM[AREST], A. [G.] Notice sur les Aras Bleus nés en France, et acclimatés dans le dépt. du Calvados; par M. J.-V. Lamouroux. . . . < *Féruss. Bull.*, 2^e sect., ii, 1823, pp. 451, 452.

Extraites des *Mém. Soc. Linn. de Paris*, ii, 1823?, pp. 155-162.

1823. GABRIAC, MARQUIS DE. Notice Sur la Ponte faite à Paris par des Perruches de l'Amérique méridionale, de l'espèce dite Pavonane, dans les mois de juillet et d'août de l'année 1822. < *Mém. du Mus. d'Hist. Nat.*, x, 1823, pp. 309-313.

Addition à la notice précédente, par Geoffroy-St.-Hilaire, pp. 314-316.

- 1823? LAMOURROUX, J. V. F. Notice Sur des aras bleus nés en France et acclimatés dans le département du Calvados. < *Mém. Soc. Linn. de Paris*, ii, 1823?, pp. 155-162.
1823. V.-Y. Conspectus Psittacorum. . . . Auct. H. Kuhl. < *Féruss. Bull.*, 2^e sect., iv, 1823, p. 208, 209.
 Revue de cet ouvrage.
1824. DESM[AREST, A. G.] Description de quelques espèces d'oiseaux des genres Perroquet et Pigeon du Muséum de la Société linnéenne de Londres; par M. C. J. Temminck. < *Féruss. Bull.*, 2^e sec., i, 1824, p. 278, 279.
 Extr. des *Trans. Linn. Soc.*, xiii, pt. i, p. 107.
1824. PAYRAUDEAU, B. C. Notice sur la ponte faite a Paris par des Perruches de l'Amérique méridionale, de l'espèce dite Pavonane, dans les mois de juillet et d'août de l'année 1822; par M. le M^{re} de Gabriac, . . . < *Féruss. Bull.*, 2^e sect., ii, 1824, p. 203.
 Extraite des *Mém. du Mus. d'Hist. Nat.*, x, 1823, pp. 309-313.
- 1824-25. VIGORS, N. A. Descriptions of some rare, interesting, or hitherto uncharacterized subjects of Zoology. < *Zool. Journ.*, i, 1824, pp. 409-418, 526-542, pll. 13, 14, 16; pll. suppl. 1-4; ii, 1825, pp. 234-241, pl. 5.
Muscicapa lathamii, p. 410, pl. 13, n. sp.; *Anthus richardi*, Vieill., p. 411, pl. 14; *Psittacula kuhli*, p. 412, pl. 16, n. sp.; *Platyercus* (g. n. l, p. 527) *pacificus*, Lath., pl. suppl. 1; *P. auriceps*, Kuhl, pl. 2; *P. ulietanus*, Lath., pl. 3; *Psittacus pyrropterus*, Lath., pl. 4; Vol. ii, *Anthropoides stanleyanus*, p. 234, pl. 8.
1825. [ANON.] Notice regarding the Breeding of the Peacock Parrot of South America [in confinement]. < *Edinb. Philos. Journ.*, xii, 1825, pp. 184, 185.
 From *Bulletin Universel*. Cf. *Mém. du Mus. d'Hist. Nat.*, x, 1823, pp. 309-313, and *Féruss. Bull.*, 2^e sect., ii, 1824, p. 203.
1825. VIGORS, N. A. On a new genus of Psittacidae. < *Zool. Journ.*, ii, 1825, pp. 387-390.
 This is a subhead, being part of the third instalment (pp. 368-405) of the series of papers entitled "Sketches on Ornithology; or," etc.
 The new genus is *Psittacara*, p. 387; of which are described *Ps. frontatus*, p. 389, and *Ps. Reichensteinii*, p. 390, spp. nn.
Féruss. Bull., ix, 1826, pp. 91, 92; *Isis*, 1830, pp. 1043-1045.
1826. LESSON, R. P. Sur un genre nouveau de la famille des Perroquets; par Vigors. . . . < *Féruss. Bull.*, 2^e sect., ix, 1826, p. 91, 92.
Psittacara. Extrait du *Zool. Journ.*, ii, 1825, pp. 357-390, q. v.
1826. LESSON, [R. P.] Description de quelques objets de zoologie rares, intéressans ou mal décrits; par N. A. Vigors . . . < *Féruss. Bull.*, 2^e sect., vii, 1826, p. 105.
Zool. Journ., iv, Janv. 1825, p. 526.
1826. LESSON, R. P. Esquisses ornithologiques, etc.; observations sur le groupe des Psittacidae, et sur les Perroquets connus des anciens; par N. A. Vigors. . . . < *Féruss. Bull.*, 2^e sect., vii, 1826, pp. 111, 112.
 "Zool. Journ., avril 1825, p. 37."
1827. VIGORS, N. A. A Reply to some Observations in the "Dictionnaire des Sciences Naturelles," upon the newly characterized groups of the Psittacidae. < *Zool. Journ.*, iii, 1827, pp. 91-123.
1829. MICHEL, —. Les Perroquets, | leur éducation physique et morale; | ouvrage | dans lequel on établit des moyens pour les | guérir de leurs maladies. | Par Michel, | Bachelier ès-lettres, | ancien oiseler du roi de Westphalie. | Paris. | Andot, Libraire-Éditeur, | rue des Maçons-Sorbonne, N^o. 11. | 1829. 1 vol. 18mo. 2 p. ll., pp. 1-146, 1 l.
1829. TEMMINCK, C. J. Notice sur quelques espèces nouvelles d'oiseaux des genres Psittacus et Columba dans le Muséum de la Société linnéenne par C. J. Temminck. (Lin. transact. xiii. P. 1. p. 107.). < *Oken's Isis*, Bd. xxii, 1829, pp. 1194-1209.
 Le mémoire ici se trouve reproduit en entier, des *Linn. Soc. Trans.*, 1821, q. v.

1830. VIGORS, N. A. Seltene Gegenstände aus der Zoologie [Papageyen aus Australien]. < *Oken's Isis*, Bd. xxiii, 1830, pp. 824, 825.
Aus der *Zool. Journ.*, Vol. i, Nr. iv, 1825, p. 526.
1830. VIGORS, N. A. Ornithologische Skizzen. Fortsetzung. Ueber die den Alten bekannten Papageyen. < *Oken's Isis*, Bd. xxiii, 1830, pp. 831-839.
Aus der *Zool. Journ.*, Vol. ii, Nr. 5, April 1825, p. 37.
1830. VIGORS, N. A. Psittacara, neue Sippe der Psittaciden. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1043-1045.
Uebers. aus d. *Zool. Journ.*, ii, 1825, pp. 387-390.
1831. BENNETT, E. T. Observations on the Hyacinthine Maccaw. < *London's Mag. Nat. Hist.*, iv, 1831, pp. 211-213.
Technical and historical.
1832. LEAR, E. Illustrations | of | the family of | Psittacidae, | or | Parrots: | the greatest part of them | species hitherto unfigured, | containing forty-two lithographic plates, | drawn from life, and on stone, | By Edward Lear, A. L. S. | — | London: | published by E. Lear, 61 Albany street, Regent's Park. | — | 1832. 1 vol. folio. Title, list of subscribers, dedication, list of plates, each 1 leaf; and 42 colored plates.
These plates are the most beautiful illustrations of Parrots, drawn with art as well as with fidelity to nature. There is no text. The following is a list of the plates:
1. *Psittacus badiceps*. 2. *Ptyctolophus rosaceus*. 3. *P. galeritus*. 4. *P. sulphureus*. 5. *P. leadbeateri*. 6. *Calyptorhynchus baudini*. 7. *Macrocerus aracanga*. 8. *M. ararauna*. 9. *M. hyacinthinus*. 10. *Psittacara patachonica*. 11. *P. leptorhyncha*. 12. *P. nana*. 13. *Nanodes undulatus*. 14. 15. *Platycercus erythropterus*. 16. *P. tabuensis*. 17. *P. baueri*. 18. *P. barnardi*. 19. *P. palliceps*. 20. *P. brownii*. 21, 22. *P. pileatus*. 23, 24. *P. stanleyii*. 25. *P. unicolor*. 26. *P. pacificus*. 27. *Palaeornis nove-hollandiae*. 28. *P. melanura*. 29. *P. anthopeplus*. 30. *P. rosaceus*. 31. *P. columboides*. 32. *P. cucullatus*. 33. *P. torquatus*. 34. *Trichoglossus rubritorquis*. 35. *T. matoni*. 36. *T. versicolor*. 37. *Lorius domicella*. 38. *Psittacula kuhlii*. 39. *P. tarantec*. 40. *P. torquata*. 41. *P. rubrifrons*. 42. *P. swinderiana*.
1832. WAGLER, [J.] Monographia | Psittacorum. | Auctor | [Joannes] Wagler. | [n. d. n. p. München. 1832.] 4to. Halb-titel, 1 Blatt, Vorwort 2 Blätter, pp. 469-750, Taf. illum. xxii-xxvii.
The pagination and also the numeration of the plates show this book to be a part of something else. It is extracted from the *Denksch. Acad. München*, i, 1832, without indication of the fact. Wagler's pieces mostly have some mechanical defect of date, title, pagination, or other, showing either ignorance or negligence of the requirements of workmanlike printing.
Gedrängter Ueberblick der Geschichte der Papageien, p. 469; Die Papageien der Alten, p. 470; Die Pap. Asiens, p. 474; Die Pap. Africa's, p. 476; Die Pap. America's, p. 478; Die Pap. Australiens, p. 481. Gedrängter Vergleich der Pap. mit dem Nageru und Einiges über ihre Stellung im natürlichen Systeme, p. 483.—Conspectus systematicus generum et specierum ex ordine Psittacorum, adjectis generum characteribus, pp. 489-505. *Polytelis*, p. 489; *Nymphicus*, *Prioniturus*, p. 490; *Deropterus*, *Euphema*, p. 492; *Charmosyna*, p. 493; *Eos*, *Coriphilus*, p. 494; *Domicella*, *Eclectus*, *Psittacodis*, p. 495; *Pionus*, p. 497; *Nasiterna*, p. 498; *Triclaria*, *Sittace*, p. 499; *Tanygnathus*, *Coracopsis*, p. 501; *Dasyptilus*, p. 502; *Corydon*, *Cacatua*, p. 504; *Licmetis*, *Nestor*, p. 505, are genera, apparently new, of Wagler's.
Exposito specierum, pp. 506-697, gives the full description of the species, among which are doubtless many new ones; but none are marked as such.
Characteres specierum ex ordine Psittacorum, pp. 698-738; Psittaci auctori dubii, pp. 739-747; Index, pp. 748-750.
Pl. xxii, *Eclectus linnaei*; xxiii, *Psittacodis paragua*; xxiv, f. 1, *Pionus vulturinus*, f. 2, *Sittace cuops*; xxv, *Sittace pachyrhyncha*; xxvi, *Sittace glauca*; xxvii, *Calyptorhynchus stellularis*.
1834. VIGORS, N. A. [Kein Gabelbein bei Psittacus, n. s. w.] < *Oken's Isis*, Bd. xxvii, 1834, p. 820.
Auszug aus *Philos. Mag.*, Bd. ix, 1831.
1835. PÖPPIG, [E.] Psittacus cyanolyseos Mol. < *Arch. f. Naturg.*, i, (1,) 1835, pp. 87, 88.
Of. Poeppig, *Reise in Chili*, u. s. w., i, 1835, p. 451.

1836. SELBY, P. J. The | Naturalist's Library. | Edited by | Sir William Jardine, Bart., | F. R. S. E., F. L. S., etc., etc. | Vol. X. | — | Ornithology. | Parrots. | By Prideaux John Selby, Esq., | F. R. S. E., F. L. S., M. W. S., etc., etc. | — | Edinburgh: | W. H. Lizars, [etc.]. [No date. 1836.] 1 vol. sm. 12mo. Portrait of Bewick, eng. col'd title, other title, contents, each 1 leaf, pp. 7-219, cuts, pll. col'd 1-30 (+ portrait and vignette = 32 pll.).

Being Vol. VI of general arrangement. Contains memoir of Bewick, likewise of D'Aubenton, and an account of *Psittaci*.

Pl. 1, *Palæornis barrabandi*; 2, *alexandri*; 3, *malaccensis*. 4, *Arara patagonica*. 5, *Microcerus militaris*; 6, *M. araraura*; 7, *M. aracanga*. 8, *Psittacara nobilis*. 9, *Psittacus festivus*; 10, *Ps. erythacus*. 11, *Agapornis swinderianus*. 12, *Nestor hypopolius*. 13, *Plectolophus leadbeateri*; 14, *P. sulphureus*. 15, *Calyptorhynchus stellatus*. 16, *Microglossus aterrianus*. 17, *Dasyptilus pequetii*. 18, *Lorius domicillus*. 19, *Charmosyna papuensis*. 20, *Trichoglossus swainsonii*; 21, *T. versicolor*; 22, *T. pyrrhopterus*. 23, *Coriphilus kuhlii*. 24, *Psittaculus galgulus*. 25, *Platycercus pennantii*; 26, *P. paliceps*. 27, *Nanodes venustus*; 28, *N. undulatus*. 29, *Pezoporus formosus*. 30, *Nymphicus nova hollandie*.

This is rather sketchy, an outline of the family, with figures of the leading types.

1836. VIGORS, N. A. [Characters of two new Parrots (*Psittacus angustus* and *P. guildingii*).] < *P. Z. S.*, iv, 1836, p. 80.

1836. WHITE, W. H. Facts on the Measure of the Length of Life of a Species of Parrot; with Suggestions for ascertaining the Average Period of Existence of the whole Animal Creation; and an Anecdote of a Parrot. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 347-349.

1837-38. BOURJOT ST.-HILAIRE, A. Histoire Naturelle | des Perroquets, | troisième volume | (supplémentaire), | pour faire suite aux deux volumes de Levaillant, | contenant les espèces laissées inédites par cet auteur ou récemment découvertes. | Ouvrage destiné | à compléter une monographie figurée de la famille des Psittacidés, le texte renfermant la | classification, la synonymie, et la description de chaque espèce; | suivi d'un index général des espèces décrites dans tout l'ouvrage: | par le docteur | Al. Bourjot Saint-Hilaire, | Professeur du Zoologie au Collège Royale de Bourbon. | Les figures lithographiées et coloriées avec soin | par | M. Werner, | Peintre attaché au Muséum d'Histoire Naturelle. | — | Paris, | Chez F. G. Levrant, Libraire Éditeur, rue de la Harpe, n.º 81. | Strasbourg, | même maison, rue des Juifs, n.º 33. | 1837-1838. 1 vol. in-fol. grand Jésus. pp. i-xlii (faux titre, titre, dédicace, préface, introduction, index generalis *Psittacorum*, table, liste des auteurs); Planches coloriées 111, avec le texte non paginé. Pub. par. livr. (29.)

Engelmann cites the work by a somewhat different title, beginning "Collection des Perroquets", etc., and gives 1835-39 as dates of the appearance of 29 livraisons. Above title is from a bound copy in Libr. Phila. Acad.; the wrappers of the parts not being preserved, I cannot give their respective dates.

As expressly stated in the title, this Iconography is designed as a third (supplementary) volume to Levaillant's *Histoire Nat. de Perroquets*, 2 vols, 1801-5. A fourth companion volume was added to the series of illustrations in 1857-58, by De Sonance.

The plates of the present series are as follows:—Pl. 1, *Psittacus bengalensis*; 2, *P. torquatus*; 3, 3 bis, *P. colomboides*; 4, *P. barrabandi*; 5, *P. melanurus*; 6, *P. rosaceus*; 7, *P. anthopeplus*; 8, *P. undulatus*; 9, *P. rufifrons*; 10, *P. chrysostomus*; 11, *P. auricomus*; 11 bis, *P. nova hollandie*; 12, *P. cornutus*; 13, *P. illigerii*; 14, *P. glauca*; 15, *P. glauca minor*; 16, *P. cobaltina* (nob.); 17, *P. cæruleo-frontata*; 18, *P. gouarouba*; 19, *P. patagonica*; 20, *P. nanday*; 21, *P. lepthorhinea* (sic); 22, *P. nobilis*; 23, *P. xanthoptera*; 24, *P. nana*; 25, *P. tiriba*; 26, *P. variegata melanura*; 27, *P. perlata*; 28, *P. ninus*; 29, *P. flaveiventris*; 30, *P. ieterotis*; 31, *P. paliceps*; 32, *P. barnardi*; 33, *P. brownii*; 34, *P. viridis unicolor*; 35, 35 bis, *P. erythropterus*; 36, *P. pacificus*; 37, *P. nova zealandie*; 38, *P. tabuensis*; 39, *P. purpureocephalus*; 40, *P. cæruleo-barbatus* (nob.); 41, *P. dorso-cæruleus* (nob.); 42, 42 bis, *P. auricapillus*; 43, *P. euteles*; 44, 44 bis, *P. iris*; 45, *P. aurifrons*; 46, *P. placeus* (nob.); 47, *P. xanthopterigius* (sic); 48, *P. totii gutture luteo*; 49, *P. gregarius*; 50, *P. passerinus*; 51, *P. scintillatus*; 52, *P. versicolor*; 53, 53 bis, *P. spatuliger*; 54, *P. flavirostris*; 55, 55 bis, 56, *P. mitratus*; 57, *P. cyanogaster*; 58, *P. leucogaster*; 59, *P. rufiturinus*; 60, *P. scutis*; 61, *P. meyeri*; 62, *P. accipitrinus*; 63, *P. augustus*; 64, *P. guildingii*; 65, *P. colombinus*; 66, *P. pretrei*; 67, *P. pequeti*; 68, *P. nova zealandie*; 69, *P. productus*; 70, *P. funereus*; 71, 71 bis,

1837-38. BOURJOT ST.-HILAIRE, A.—Continued.

P. banksianus; 72, 72 bis, *P. temminckii*; 73, *P. baudinii*; 74, *P. rosea*; 75, 75 bis, 75 ter, *P. rubrogaleata*; 76, *P. tenuirostris*; 77, *P. leadbeateri*; 78, *P. rubroeristata* (nob.); 79, *P. sulfureus major*; 80, *P. sulfureus minor*; 81, *P. minor philippinarum*; 82, *P. albo-eristata*; 83, *P. interfringillacea*; 84, *P. Florentis* (nob.) *Desmarestii*; 86, *P. griseifrons* (nob.); 87, *P. rubrifrons*; 88, *P. cyano-pileata*; 89, *P. Philippensis vel coula cissi*; 90, *P. rubricollis vel pullaria guienensis*; 91, *P. rosicollis*; 92, *P. malaccensis*; 93, *P. huetii*; 94, *P. loxia*; 95, *P. melanota*; 96, *P. cana*; 97, *P. torquato-squamata*; 98, *P. swinderiana*; 99, *P. tarantae*; 100, *P. pygmaeus*.

There are some interpolations in this series; but not all those presented as such in the table are actually present. I make out 111 plates by actual count. They were executed by Werner.

The nomenclature is very lax, scarcely satisfying the requirements of a system. The names in the text do not always correspond with those in the table, from which I have taken the above list; and the author's way of using names is difficult to make out, or see the point of. Only French names are engraven on the plates. This laxity or carelessness is a serious blemish upon an otherwise very praiseworthy and valuable monograph. There is about a leaf of text, descriptive, etc., to each plate.

"Many of the plates are original, others are copied from Spix, Temminck, or Lear; they are executed on stone, and though inferior to the works of Gould and Lear, they are perhaps the best ornithological lithographs which have issued from the French press. The text of this work is prepared with considerable care, but the nomenclature wants precision, the latin names being often wrongly spelled, and the principles of binomial nomenclature often departed from. Thus the genus *Palæornis* is in one instance designated *Psittacus*, in another *Psittacus sagittifer*, and in a third *Conurus sagittifer*, with the addition in each case of a specific name." (*Strickl. Rep. Brit. Assoc. for 1844, 1845, p. 198.*)

1838. ANON. *Disquisitiones anatomicæ Psittacorum*, diss. inaug. auct. M. J. Thuët. Turici, apud Orell. 1838. 4. 36. T. 2. < *Oken's Isis*, Bd. xxxi, 1838, p. 231.

1838. THUËT, M. J. *Disquisitiones anatomicæ Psittacorum*. Dissertatio inauguralis. Turici. Orellii, Fuesslini et Soc. 1838. 4to. pp. 36. pl. 2.

Not seen.

1838. VIGORS, N. A. [*Psittacus augustus*, *Ps. guildingii*.] < *Oken's Isis*, Bd. xxxi, 1838, p. 195.

Aus *P. Z. S.*, iv, 1836.

1839. ROUSSEAU, L. F. E. Note sur un nouvel os découvert dans la tête des Perroquets. < *Revue Zoologique*, ii, 1839, pp. 352, 353, pl. 2, figg. 3, 4, 5.

Désigné sous le nom de l'os Inter-carré-tympano-auditif.

1840. JACQUEMIN, [E.] [Sur un os observé par M. E. Rousseau dans la mâchoire des Perroquets, et décrit comme nouveau par cet anatomiste.] < *Compt. Rend. de l'Acad. Sci.*, x, 1840, pp. 139, 140.

L'auteur soupçonne que cet os n'est autre chose qu'une pièce qu'il a lui-même indiqué dans son Mémoire sur la Corneille.

1840. ROUSSEAU, [L. F. E.] Sur un os nouvellement découvert dans la mâchoire des perroquets. < *Compt. Rend. de l'Acad. Sci.*, x, 1840, pp. 251, 252.

Voir *O. R.*, tom. cit., p. 139.

N'est point, comme l'a supposé M. Jacquemin, une pièce dépendante du système des canaux aériens du squelette, mais une pièce propre aux oiseaux du genre *Psittacus*.

1840. ROUSSEAU, [L. F. E.] E. [Observations au sujet de l'os que l'on trouve à la tête des Perroquets.] < *Revue Zoologique*, iii, 1840, pp. 57-59.

Voir *op. cit.*, ii, 1839, p. 352.

1842-55. BREHM, C. L. Monographie | der | Papageien | oder | vollständige Naturgeschichte aller bis jetzt | bekannten Papageien mit getreuen und | ausgemalten Abbildungen, | im Verein mit andern Naturforschern | herausgegeben | von | C. L. Brehm | Pfarrer zu Renthendorf, der Kaiserl. Leopoldinischen Akademie Naturforscher und mehrerer gelehrten und | naturwissenschaftlichen Gessellschaften mit- oder Ehrenmitglieder. | — | Jena | August Schmid, | Paris | Treuttel et Wirtz, Rue de Lille No. 17. | 1842 [-1855]. folio. pub. in Paris. 1 Heft, 1842; 2 Heft, 1843; 3 Heft, 1845; 4 Heft, 1853; 5 Heft, 1852; 6 Heft,

1842-55. BREHM, C. L.—Continued.

1853; 7 Heft, 1853; 8 Heft, 1853; 9 Heft, 1853; 10 Heft, 1854; 11 Heft, 1854; 12 Heft, 1854; 13 Heft, 1855; 14 Heft, 1855.

The copy examined of this work consists of 2 prel. pages (title and dedication), pp. 1-60 of text, and 70 colored plates. It appears to be incomplete, the text breaking off abruptly in the middle of a sentence on page 60, at species 34, already calling for plate 72; it has covers of the 14 Heft above indicated bound in at the end. The dates on these covers are mostly in manuscript, presumably of some one who knows, but I cannot vouch for their accuracy; in fact, there seems to be some oversight, as the dates do not all follow consecutively the successive issues of the Parts. The text consists of a general account of each species, chiefly synonymatic, descriptive, and critical. The plates are as follows:—

Pl. 1, *Psittacus macao*; 2, *P. aracanga*; 3, *P. tricolor*; 4, *P. hyacinthinus*; 5, *P. militaris*. 6, *Arara hyacinthinus*; 7, *A. araranna*; 8, *A. buffonii* (Brehm, page 6); 9, *A. purpureo-dorsalis*; 10, *A. macaivannus*; 11, *A. severus*; 12, *A. macrogathos*; 13 missing (= *Anodorhynchus maximiliani*, see *Arara hyacinthinus*); 14, *Aratinga carolinæ-augustæ*; 15, *Arat. haemorrhous*; 15 bis, *Aratinga chryscephalus*; 16, *Aratinga aurifrons*; 17, *A. luteus* sive *garauha*; 18, f. 1, *A. calzona*, f. 2, *A. ninus*; 19, *A. cyanogularis*; 20, *A. aureus*; 21, *A. xanthopterus*; 22, *A. acutirostris*; 23, *A. flaviventer*; 24, *A. latus*; 25, *A. fuscatus*; 26, *A. melanurus* (sic); 27, *A. "guianensis"* (so lettered, being *A. nobilis* of the text, p. 21); 28, *A. guianensis*; 29, 30, *A. pertinax*; 31, *A. virescens*; 32, *Psittaculus passerinus*; 33 (numbered 34 by mistake, see text, p. 26), *Ps. xanthopterygius*; 34, *P. gregarius*; 35, *P. tui*; 36, *P. swinderianus*; 37, *Psittacus xantops* (sic); 38, *P. columbinus*; 39, *P. malachitaceus*; 40, *P. pinnilio*; 41, 42, *P. pileatus*, ♂, ♀ (42 being *P. diadema* of text, p. 33); 43, *P. diadema* (43 being *senilis* of text, p. 34); 44, *P. senilis* (44 being *pulverulentus* of text, p. 34); 45, *P. pulverulentus*; 46, *P. senilis*; 47, *P. accipitrinus*; 48, *P. menstruus*; 49, *P. cestivus* (for *æstivus*); 50, *P. amazonicus*; 51, *P. amazoninus*; 52, *P. melanocephalus*; 53, *P. barubandi*; 54, *P. bouqueti*; 55, *P. cyanotis*; 56, *P. aureus*, Bechst., nec L.; 57, *P. autumnalis*; 58, *P. paradisi*; 59, *P. cervicalis*; 60, *P. mascarinus*; *61, *P. menstruus*. ♀; 62, *P. senegalus*; *63, *P. gramineus*; *64, *P. melanocephalus*; *65, *P. geoffrayi* (sic); 66, *P. erythacus* (for *erythacus*); 67, *P. domicella*; 68, *P. cyanurus*; 69, *P. guibienis*; 70, *P. ochraptenus* (sic). Those asterisked uncolored in copy examined. Text of p. 60 calls for—Pl. 71, *P. garrulus*; Pl. 72, *P. unicolor*; these not found.

Since the above was written I have fortunately found a copy in the original cover-titles, giving further particulars, as follows:—

Heft 1, 1842, title, pp. 1-4, pll. 1-5; II, 1843, pp. 5-8, pll. 6-10; III, 1845, pp. 9-12, pll. 11-15; IV, 1853, pp. 13-16, pll. 16-20; V, 1852, pp. 17-20, pll. 21-25; VI, 1853, pp. 21-24, pll. 26-30; VII, 1853, pp. 25-28, pll. 31-35; VIII, 1852, pp. 29-32, pll. 36-40; IX, 1853, pp. 33-36, pll. 41-45; X, 1854, pp. 37-40, pll. 46-50; XI, 1854, pp. 41-44, pll. 51-55; XII, 1854, pp. 45-48, pll. 56-60; XIII, 1855, pp. 49-52, pll. 61-65; XIV, 1855, pp. 53-56, pll. 66-70.

Comparison of these two copies shows that there are in this work 14 perfect Parts, of pp. 56 and pll. 70; and also a 15th incompleting Part, raising the text to pp. 60, but apparently lacking pll. 71 and 72, called for by the text.—I handled the bound copy in the Congressional Lib., the other in the Lib. of the Phila. Acad.

1842. KUHLMANN, H. De absentia fureulæ in Psittaco pullario et de regione animalium vertebratorum humerali præcipue avium. Dissertatio inauguralis medica. Auctore Henrico Kuhlmann. Kiliæ. 1842.

Haud mihi obvia.

1845. DES MURS, O. Notes sur une espèce de Perruche nouvelle. < *Revue Zoologique*, viii, 1845, p. 449.

1846. ANON. The [Parrot-Keeper's] Guide. [—] Comprising, [the Natural History of] Macaws, Cockatoos, Parrots, Lories, [Parakeets, and Love-Birds;] with [general observations on the best modes of treatment, [the diseases to which they are subject, and [methods of cure, &c.] —] By an experienced dealer. [[Figure.]] London: [Thomas Dean & Co. Threadneedle-Street. 1 vol. 16mo. [n.d. 1846.] pp. 48, 6 col'd pll., and other illustrations.

1847. LAFRESNAYE, F. DE. Quelques oiseaux nouveaux de Bolivie et de Nouvelle-Grenade. < *Revue Zoologique*, x, 1847, pp. 65-76.

Les trois oiseaux ici décrits sont de la famille des *Psittacidés*—*Ara rubro-genys*, p. 65; *A. castaneifrons*, p. 66; *Pionus melanotis*, p. 67.

1849. [JARDINE, W.] *Pionus guillemi*, Jardine [n. sp.]. < *Jard. Contrib. Orn.*, 1849, pp. 64, 65, pl. xxviii.

1849. VERREAUX, J., and DES MURS, O. Description d'une nouvelle espèce de Perroquet [Pionus fuscicapillus]. < *Rev. et Mag. de Zool.*, i, 1849, p. 58.
1850. BONAPARTE, C. L. Nouvelles espèces ornithologiques < *Compt. Rend. de l'Acad. Sci.*, xxx, 1850, pp. 131-139, 291-295.
- Première Partie, Perroquets (y comprise *Lophornis* (i. e., *Diphyllodes*) *republica*, sp. n., p. 131, note; voir note, p. 291.—*Paradisæidæ*). *Conurus xanthogenius*, p. 132; *Barrabandius*, p. 133; *Trichoglossus forsteni*, p. 134; *Chalcopsitta* (g. n., 1849) *rubiginosa*, p. 134; *Eos cyanogenia*, *E. semilarvata*, *Eclectus cornelia*, p. 135; *Psittacodis intermedius*, *Tanygnathus mulleri*, p. 136; *Poiocephalus magnirostris*, *Geoffroyus cyanicollis*, *G. personatus*, p. 137; *Phytolophus parvulus*, p. 139, sont des espèces nouv. ou récemment décrites.—Seconde Partie, *Accipitres* (*Cathartidæ*, *Vulturidæ*, *Gypætidæ*, *Gypohieraciæ*, *Gypogeranidæ*), point d'espèces nouvelles.
1850. BONAPARTE, C. L. Nouvelles espèces ornithologiques. < *Rev. et Mag. de Zool.*, ii, 1850, pp. 124-127.
- Extraites des *Compt. Rend. de l'Acad. des Sci. de Paris*, séance du 11 février, 1850.—Aperçu général de l'ordre des Psittacidés: sept sous-familles.
1854. BONAPARTE, C. L. Tableau des Perroquets. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 145-158.
- §1. Critique sur les espèces décrites par MM. Masséna et De Souancé, *R. M. Z.*, 1854, pp. 71-74; *Graydidascalus*, gen. n., p. 147. §2. Monographie du genre *Pionus*, pp. 148, 149: *P. corallinus*, p. 149. §3. Conspectus Psittacorum, pp. 149-158: *Cyanopsitta*, *Ararauna*, *Aracanga*, *Rhyncopsitta*, p. 149; *Cyanotisus*, *Nandayus*, *Heliopsitta*, *Eupsittula*, *Microsittace*, *Myiopsitta*, p. 150; *Tirica*, *Psittovius*, *Evopsitta*, *Enochrus*, p. 151; *Pionopsitta*, *Belurus*, p. 152; *Prosopeta*, *Purpureicephalus*, *Barnardius*, *Barrabandius*, *Cyanoramphus*, p. 153; *Poliopsitta*, p. 154; *Urodiscus*, *Stavorinus*, *Eolophus*, p. 155; *Chalcopsitta*, p. 156; *Psittenteles*, *Glossopsitta*, p. 157, "Bp." —4 familles, 15 sous-familles, 78 genres, 316 espèces; les genres et les espèces introduits pour la première fois (mais sans descriptions) se trouvent précédés d'un astérisque. *Trichoglossus massena*, *T. verreauxius*, p. 157, spp. n., avec descr.
- This paper is conceived in the same fatuous spirit, and executed with the same disreputable result, as that on the *Trochilidæ*, which I have criticised adversely in this Bibliography.
1854. MASSÉNA, —, and SOUANCÉ, [C.] DE. Description de quelques nouvelles espèces d'oiseaux de la famille des Psittacidés. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 71-74.
- Ara auritorques*, *Conurus icterotis*, *C. rubrolarvatus*, p. 71; *C. chrysogenys*, *C. callipterus*, p. 72; *C. devillei*, *C. molinae*, *Psittacus selinoides*, p. 73; *Ps. cobaltinus*, p. 74. Cf. *op. cit.*, 1854, pp. 146-148.
1855. CASSIN, J. Description of new species of Psittacidæ, in the collection of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Philada.*, iii, pt. ii, Dec., 1855 (extra copies printed Nov., 1855), art. xii, pp. 153-156, pll. xii, xiii, xiv.
- Ara auricollis*, pl. xii (descr. orig. *Proc. Acad.*, 1853, p. 372). *Chrysotis viridigenalis*, pl. xiii (descr. orig. *Proc. Acad.*, 1853, p. 371). *Psittacula lineola*, pl. xiv, f. 1 (descr. orig. *Proc. Acad.*, 1853, p. 372). *Brotozeris aurifrons*, n. sp., p. 155, pl. xiv, f. 2. *Prioniturus flavicans* (descr. orig. *Proc. Acad.*, 1853, p. 373) fig. nulla. *Palaeornis gironieri* Verr. (= *P. viridicollis*, descr. orig. *Proc. Acad.*, 1853, p. 373), fig. nulla.
1856. BLANCHARD, E. Des caractères ostéologiques chez les Oiseaux de la famille des Psittacidés. < *Compt. Rend. de l'Acad. Sci.*, xliii, 1856, pp. 1097-1100.
- Extrait par l'auteur.
1856. SOUANCÉ, C. DE. Catalogue des perroquets de la collection du prince Masséna d'Essling, duc de Rivoli, et observations sur quelques espèces nouvelles ou peu connues de Psittacidés. < *Rev. et Mag. de Zool.*, viii, 1856, pp. 56-64, 152-158, 208-226.
- "Ne voulant, dans cet opuscule, considérer cet ordre d'Oiseaux que sous le point de vue spécifique, nous laisserons de côté toute idée de la classification générale, nous bornant à suivre celle adoptée par S. A. le prince Ch. Bonaparte dans son Conspectus Psittacorum." (*Rev. et Mag. de Zool.*, 1854, pp. 145-158.)—*Psittacara hahni*, p. 58; *P. chloroptera*, *P. maugei*, p. 59; *Chrysotis chloronota*, p. 153; *C. coccineifrons*, p. 154; *Poeccephalus aubryanus*, p. 216; *Loriculus regulus*, p. 222; *L. bonapartei*, p. 222; *Nectar esslingii*, p. 223.—218 spp.
1856. SOUANCÉ, C. DE. [Description d'une nouvelle espèce de Perroquet, *Myiopsitta tigrina*.] < *Rev. et Mag. de Zool.*, viii, 1856, p. 144.

1357. BLANCHARD, É. Nouvelles observations sur les caractères ostéologiques chez les oiseaux de la famille des Psittacides. < *Compt. Rend. de l'Acad. Sci.*, xliv, 1857, pp. 518-521.
1857. BLANCHARD, É. Nouvelles observations sur les caractères ostéologiques chez les Oiseaux de la famille des Psittacides. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 112, 113.
Résumé d'un travail lu à l'Acad. de Paris, séance du 9 mars 1857.
1357. BONAPARTE, C. L. Remarques du Prince Bonaparte à propos des observations de M. Emile Blanchard sur les caractères ostéologiques chez les Oiseaux de la famille des Psittacides. < *Compt. Rend. de l'Acad. Sci.*, xliv, 1857, pp. 534-539.
Myiopsitta catherina, p. 538.
1857. BONAPARTE, C. L. Remarques à propos des observations de M. E. Blanchard sur les caractères ostéologiques chez les Oiseaux de la famille des Psittacides. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 113-117.
1857. BONAPARTE, C. L. Tableau des genres de Perroquets disposés en series parallèles. < *Comp. Rend. de l'Acad. Sci.*, xliv, 1857, pp. 595-597.
1857. MAXIMILIAN, PRINZ VON WIED. Ueber den Papagei von Nord-America. *Psittacus* (Conurus) carolinensis, Lin. < *J. f. O.*, v, 1857, pp. 97-105.
Elaborate description and account of geographical distribution and habits.
1857. SCLATER, P. L. Notes on an unnamed Parrot [*Chrysotis sallaei*] from the Island of St. Domingo, now living in the Society's Gardens; and on some other species of the same Family. < *P. Z. S.*, xxv, 1857, pp. 224-226, pl. (Aves) exxvii.
1857. SOUANCÉ, C. DE. Descriptions de trois nouvelles espèces de Perroquets. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 97, 98.
Conurus astec [sic], *Pyrrhura hoematotis* [sic], p. 97: *Cyanoramphus matherbi*, p. 98.
- 1357-58. SOUANCÉ, C. DE. Iconographie | des | Perroquets | non figurés dans les publications de Levaillant et de M. Bourjot Saint-Hilaire | par | M. Charles de Souancé | avec la coopération de | S. A. le prince Bonaparte, et de M. Émile Blanchard | — | Histoire Naturelle des Perroquets. | — | Paris | P. Bertrand | Libraire-Éditeur | Rue de l'Arbre-sec, 22 | — | 1857 [1858]. 1 vol. in fol. grand Jésus. Faux titre, 1 feuillet; titre, 1 feuillet; introduction, 1 feuillet (2 pages); le Texte non paginé, 48 feuillets; et 48 Planches coloriées. (Publiée par livr. i-xii, 1857, 1858.)
Levaillant a publié les figures et descriptions de 90 espèces de Perroquets, dans son *Hist. Nat. des Perroq.*, en deux vols. in-fol. 1801-1805. En 1837-38, M. Bourjot St.-Hilaire a représenté 88 autres espèces, dans son ouvrage, rédigé sur le même plan, *Hist. Nat. des Perroq.*, qui forme la suite ou le troisième vol. (supplémentaire) de l'Iconographie de Levaillant. Cette Iconographie de M. de Souancé forme le quatrième volume de *l'Hist. Nat. des Perroq.* de Levaillant et M. Bourjot St.-Hilaire. Elle contient les figures des espèces qui ne se trouvent pas dans les trois volumes publiés par les deux auteurs, accompagnées d'une courte description, et des détails anatomiques. L'auteur a trouvé les matériaux de son ouvrage d'abord dans la riche collection de son oncle, le prince d'Essling, dans celle du Jardin des Plantes à Paris, et dans les divers musées de France et de l'étranger.
Voici la liste des planches: Pl. I, f. 1, *Anodorhynchus leari*; f. 2, *A. glaucus*. II, *Sittace primoli*. III, *S. rubrigenis*. IV, *Eropsitta acuticauda*. V, *Rhynchopsitta pachyrhyncha*. VI, *Psittacara hahni*. VII, *Eropsitta euops*. VIII, *E. mangrei*. IX, *Conurus petzli*. X, *C. cactorum*. XI, *C. chrysophrys*. XII, *C. aztec*. *C. nanus*. XIII, *C. weddellii*. XIV, *Pyrrhura luciani*. XV, *P. molinae*. XVI, *P. derillei*. XVII, *P. calliptera*. XVIII, *P. haematotis*. XIX, *Psittacara icterotis*. XX, *Eropsitta wagleri*. XXI, *Eropsitta mitrata*. XXII, *E. erythrogenys*. XXIII, *Bolborhynchus aymara*. XXIV, f. 1, *B. orbignesia*; f. 2, *B. aurifrons*. XXV, *Pyrrilia amazonina*. XXVI, *P. typica*. XXVII, *Chrysotis auripalliat*. XXVIII, *C. poecilorhyncha*. XXIX, *C. chloronota*. XXX, *C. albifrons*. XXXI, *C. viridigenalis*. XXXII, *C. diadema*. XXXIII, *C. hypochondrica*. XXXIV, f. 1, *Pionus siy*; f. 2, *P. maximiliani*. XXXV, *P. chalcopertus*. XXXVI, *P. seniloides*. XXXVII, *Trochroma purpurata*. XXXVIII, *U. sarda*. XXXIX, *Psittacula guianensis*. XL, *P. caelestis*. XLI, *P. conspicillata*. XLII, *P. cyanopygia*. XLIII, *Palæornis schisticeps*. XLIV, *P. calthropæ*

1857-58. SOUANCÉ, C. DE.—Continued.

XLV, *Tanygnathus mulleri*. XLVI, *T. sumatranus*. XLVII, *Barnardius zonarius*. XLVIII, (énumérée à tort LXXIX) *Cyanoramphus malherbi*.

(NOTE.—Carus announces the work as of two parts: 1) *Hist. Nat.*, 1 vol., 8vo. to be pub. in 1859, and 2) *Iconogr.*, 1 vol., fol. or 4to, with about 120 pl., in 30 monthly parts; but all I know of the work is as above.)

1858. SCLATER, P. L. Notes on an unnamed Parrot [*Chrysotis sallæi*] from the Island of St. Domingo; and on some other Species of the same Family. < *Ann. Mag. Nat. Hist.*, 3d ser., i, 1858, pp. 223-226.

From *P. Z. S.*, Nov. 10, 1857, pp. 224-226.

1858. SCLATER, P. L. Verzeichniss der in den Gärten der zoologischen Gesellschaft zu London lebenden Papageien. < *Naumannia*, viii, 1858, pp. 201-204. 77 spp.1859. SCLATER, P. L. Descriptions of two new Species of American Parrots. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, pp. 224-226.

Conurus holochlorus, p. 224; *C. xantholæmus*, p. 225. List of 9 Mexican spp. of the family.

1859. GRAY, G. R. List of the Specimens of Birds in the collection of the British Museum. | By G. R. Gray, F. L. S., F. Z. S., etc. | Part III. Section II. Psittacidae. | Printed by order of the Trustees. | London: 1859. 1 vol. sm. 12mo. 2 p. ll., pp. 1-110, 1-8 (advts.).

This List catalogues the specimens of Parrots in the British Museum, exemplifying by letters *a*, *b*, *c*, &c., the locality and source whence each has been derived. The scientific value of the treatise rests in the extensive synonymy of the genera and species which is given. Cf. *Ibis*, 1859, pp. 320, 321.

1859. WALLACE, A. R. Correction of an Important Error affecting the Classification of the Psittacidae. < *Ann. Mag. Nat. Hist.*, 3d ser., iii, 1859, pp. 147, 148.

Domicella is brush-tongued, like *Trichoglossus* and *Eos*.

1860. BLANCHARD, É. Observations sur le système dentaire chez les Oiseaux. < *Compt. Rend. de l'Acad. Sci.*, i, 1860, pp. 540-542.

Recherches sur divers *Psittacides*.

1862. FÖRSTER, A. [Scrophulöse Drüse eines Papageies (*Psittacus amazonicus*).] < *Zool. Gart.*, iii, 1862, p. 66.1862. NEUBERT, W. Ueber Züchtung von Papageien in Deutschland. < *Zool. Gart.*, iii, 1862, pp. 57-61, 76-78.1863. FINSCH, O. Naamlijst der in de Diergaarde levende Papagaaijen. < *Nederl. Tijdschr. voor de Dierk.*, 1863, pp. vi-xxiv.

Not seen.

1863. WEINLAND, D. F. Unsere Arara's. < *Zool. Gart.*, iv, 1863, pp. 244, 247, figg. 1-5.1864. AUCAPITAINE, H. Longévitè des Perroquets. < *Rev. et Mag. de Zool.*, xvi, 1864, pp. 409-411.1864. CABANIS, J. Eine neue Papageien-Art von Bogota, *Conurus* (*Guathosittaca*) *Heinei*. < *J. f. O.*, xii, 1864, pp. 414-416.1864. SACC, Dr. [Begattung von *Platyercus eximius*. Neuer Amazon-Papagei. Perroquet tapiré.] < *Zool. Gart.*, v, 1864, p. 21.1864. SCHLEGEL, H. Psittaci. < *Mus. Hist. Nat. Pays-Bas*, 5^e livr., 1864, pp. 1-166.

The Parrots, represented in the Leyden Museum by 1,204 specimens, referred by the author to 259 spp., none of which are described as new, are here treated under 19 genera, among them *Amazona*, Less.

There is a second article of similar character, 1874, *q. v.*

1864. SCHMIDT, MAX. Das Federnagen der Papageien. < *Zool. Gart.*, v, 1864, pp. 177-181.1864. SCLATER, P. L. Characters of Three New American Parrots. < *P. Z. S.*, xxiv, 1864, pp. 297, 298, pl. xxiv.

Conurus rhodogaster, Natt. mss., p. 298, pl. xxiv; *Brotoperys chrys. sema*, Natt. mss. p. 298; *Chrysotis finschi*, p. 298.

1865. [ANON.] Langes Leben der Papageien. < *Aus der Natur*, xxxi, oder n. F., **xix**, 1865, pp. 175, 176.
1865. SCHMIDT, MAX. Die Nachtheile eiserner Sitzstangen für Papageien. < *J. f. O.*, **xiii**, 1865, p. 354.
1865. SCLATER, P. L. [Remarks on a rare Parrot (*Chrysotis augusta*) from Dominica.] < *P. Z. S.*, xxxiii, 1865, pp. 437, 438.
1866. FINSCH, O. Die geographische Verbreitung der Papageien. < *Peterm. Geogr. Mittheil.*, 1867 (pub. 1866), pp. 3-7 (mit einer Karte von A. Petermann).
Nicht mir selbst zugänglich.
1866. GUYON, —. Des animaux disparus de la Martinique et de la Guadeloupe depuis notre établissement dans ces îles. < *Compt. Rend. de l'Acad. Sci.*, **lxiii**, 1866, pp. 589-597.
Des Aras, des Perroquets et des Perruches.
1866. [GUYON, —.] Ueber die Thiere, die auf den Inseln Martinique und Guadeloupe seit der Besitznahme durch die Franzosen verschwunden sind. < *Aus der Natur*, xxxviii, oder n. F., **xxvi**, 1866, pp. 730, 733.
Auszug aus den *Compt. Rend.*, **lxiii**, 1866, pp. 589-597, q. v.
1867. [FINSCH, O.] Geographische Verbreitung der Papageien. < *Aus der Natur*, **xxxix**, oder n. F., **xxvii**, 1867, pp. 107-111.
- 1867-68. FINSCH, O. Die Papageien, | monographisch bearbeitet | von | Otto Finsch, | Conservator der zoologischen Sammlung der Gesellschaft „Museum“ zu Bremen, früher | Assistent am Reichs-Museum zu Leiden, correspondirendes Mitglied der | Zoological Society zu London und anderer gelehrter Gesellschaften. | — | Erster Band. | Mit einer Karte und einer lithographirten Tafel. | — | Leiden, E. J. Brill. | 1867. | . . . | Zweiter Band. | Erste [zweite] Hälfte. | Mit 5 nach der Natur lithographirten und colorirten Tafeln und | Uebersichts-Tabellen zur Geographischen Verbreitung. | Leiden, E. J. Brill. | 1868. 2 vols. 8vo. Vol. I, 1867, pp. xii, 361 + 1, 1 map, 1 pl. Vol. II, 1868, pp. vii + 22, 996 + 3, 5 pls. col'd, 1 table; this vol. published in 2 parts, continuously paged, same date.
Vol. I. Vorwort; Erklärungen; Allgem. Naturg. d. Papag. (Geschichtliches u. literarischer Ueberblick—Äusseres Leben—Verbreitung—Geistesanlagen—Gestalt und äussere Werkzeuge—Federn—Anatomie—Systematik); Specielle Naturg. d. Papag.; Karte; Pl. I, Seelet von *Ps. erythacus* und Schadel von *Plect. sulfureus* u. *Euphema pulchella*. Vol. II. Vorwort; Uebers. Tabellen zur geogr. Verbreit.; Specielle Naturg. fortsetzt.; Anhang (Dubiose Arten, etc.); Pl. II, *Brotogerys subcærulea*; Pl. III, *B. chrysosema*; Pl. IV, *Chrysotis guatemalæ*; Pl. V, *Coryllis exilis*; Pl. VI, *Domicella fuscata*.—*Bolborhynchus luchsii*, ii, p. 121, sp. n.
Very complete. The first part general; historical and literary view of the subject; bibliographical abstract; biographical account; geographical distribution, illustrated by maps (pl. I); on the wit, external structure, pterylography and anatomy, and systematic arrangement; list of genera and species. In the second part each species is treated in great detail—1 “family”; 5 subfamilies; 26 genera, 350 + 4 spp., besides 41 doubtful ones.
Cf. *Zool. Rec.*, iv, 1867, pp. 83-85; v, 1868, pp. 69-70; *Zool. Gart.*, 1867, pp. 318-320; *Ibis*, 2d ser., v, 1869, pp. 223-225.
1867. NIEMEIER, W. Zur Verfärbung von *Conurus carolinensis*. < *Zool. Gart.*, **viii**, 1867, p. 268.
1867. NOLL, F. C. Die Papageien, monographisch bearbeitet von Otto Finsch. Leiden, E. J. Brill 1867, ——— ?
Review.—My copy of this title, I suspect, is defective: it looks to me like a title from *Zool. Gart.*, with the reference omitted through oversight; but I cannot verify.
1867. SCHLEGEL, F. Uebersicht der Papageien unserer zoologischen Gärten. < *Zool. Gart.*, **viii**, 1867, pp. 32-34, 72-75.
1867. SCHLEGEL, F. Nachtrag zur Uebersicht der Papageien unserer zool. Gärten. < *Zool. Gart.*, **viii**, 1867, pp. 229-231.
Vergl. *tom. cit.*, pp. 32-34, 72-75. Diese zwei Artikel geben ein Namen-Verzeichniss von 130 in verschiedenen zool. Gärten in Europa lebenden Arten.

1867. SCLATER, P. L. Notes upon some Parrots living in the [London Zoological] Society's Menagerie. < *P. Z. S.*, Feb. 14, 1867, pp. 183-185, pl. xvi.
Comparative diagnoses of *Ara ambigua* and *A. militaris*. Plate of *Lorius chlorocercus*. Critical remarks on various species of *Cacatua*.
1868. [FINSCH, O.] Papegoiernes geografiske Udbredning. < *Tidssk. Pop. Frem. af Naturr.*, 3^e række, v, 1868, pp. 340-345.
1868. [FINSCH, O.] Uebersichts-Tabellen zur geographischen Verbreitung der Papageien. Abgeschlossen am 15. Juni 1868. [Von Dr. Otto Finsch. n. d. n. p. 1868.] 8vo. 11 unpagcd leaves.
This brochure, without author's name, date, or place of publication, is apparently extracted from Finsch's celebrated monograph. It gives in tabular form the distribution of *Psittacide* under the six principal heads of America, Africa, Asia, East Indian regions, Australia, and Polynesia.
1869. BARBOZA DU BOCAGE, J. V. Museu Nacional de Lisboa | — | Secção Zoologica | — | Catalogo das Collecções Ornithologicas | — | Psittaci—Papagaios. | Accipitres—Aves de Rapina. | — | Junho de 1869 | [Arms.] | Lisboa | Imprensa Nacional | 1869 8vo. pp. 62.
“ . . . enceto agora a publicação dos catalogos das collecções zoologicas do museu du Lisboa. Os primeiros que se jõe levar á conclusão comprehendem duas ordens de aves, os *Psittacideos* ou *papagaios* e as *Aves de rapina*. Estes catalogos foram redigidos pelo sr. José Augusto de Sousa, . . . Os *Psittacideos* [pp. 7-28] constam de 204 especies e as *Aves de rapina* de 223.”
1871. LAWRENCE, G. N. [Notes on Central American Psittacidae, with reference to O. Salvin's paper, tom. cit., p. 86 seq.] < *Ibis*, 3d ser., i, 1871, pp. 249-251.
1871. REINHARDT, J. [Note on the habitat of *Ara macao*, with reference to O. Salvin's paper, tom. cit., pp. 86-100.] < *Ibis*, 3d ser., i, 1871, p. 362.
1871. REY, E. [Der Carolineupapagei (*Conurus carolinensis*) in Gefangenschaft.] < *Zool. Gart.*, xii, 1871, pp. 280-283.
1871. SALVIN, O. On the Psittacidae of Central America. < *Ibis*, 3d ser., i, 1871, pp. 86-100, pl. iv.
Critical commentary, with special reference to geographical distribution, upon 27 spp. of 9 genn. *Conurus finschi*, p. 91, pl. iv, sp. n. (Cf. Lawrence, *tom. cit.*, pp. 249-251, and Reinhardt, *ibid.*, p. 362.)
1872. DODGE, N. S. A chapter on Parrots. < *Appleton's Journ.*, viii, Oct., 1872, p. 431.
1872. DORNER, H. Die Papageien-Ausstellung der zoologischen Gärten zu Hamburg. Hamburg. 1872. 1 vol. 8vo. pp. 48.
Short descriptions of 78 spp., living on exhibition—which, with the other matter of the book, are apparently from O. Finsch's monograph.
1872. REY, E. [Ein- und Ausfliegen von Papageien, *Conurus carolinensis*.] < *Zool. Gart.*, xiii, 1872, pp. 123, 124.
1872. SCHMIDT, MAX. Fortpflanzung des Mönchsittichs (*Bolborhynchus monachus*) in Gefangenschaft. < *Zool. Gart.*, xiii, 1872, pp. 257-264.
In the Zoological Garden at Frankfurt.
1873. FINSCH, O. On a new American Parrot, of the Genus *Chrysotis* [*C. bodini*]. < *P. Z. S.*, 1873, pp. 569, 570, pl. xlix.
1873. STRICKER, W. Geschichtliche Mittheilungen über den Handel mit Papageien und die Zählung derselben in Europa bis zum Ende des Mittelalters. < *Zool. Gart.*, xiv, 1873, pp. 266, 267.
1874. CABANIS, J. [*Chrysotis canipalliata*, sp. n.] < *J. f. O.*, xxii, 1874, pp. 105, 106.
1874. CABANIS, J. [*Chrysotis panamensis*, sp. n.] < *J. f. O.*, xxii, 1874, p. 349.
1874. FINSCH, O. On an apparently new Species of Parrot [*Psittacula andicola*] from Eastern Peru. < *P. Z. S.*, xlii, 1874, pp. 90, 91.

1874. SCHLEGEL, H. Revue de la Collection des Perroquets (Psittaci) faisant partie du Musée des Pays-Bas. < *Mus. Hist. Nat. Pays-Bas*, 11^e livr., Mai, 1874, pp. 1-84.
In this review of the subject since 1864 (*q. v.*) are treated the specimens, now 2,237 in number, of the Leyden Collection. *Psittacula diophthalma aruensis*, p. 33.
1874. SCLATER, P. L. [Report on recent additions to the Society's Menagerie.] < *P. Z. S.*, xlii, 1874, p. 203, pl. xxxiv.
Chrysotis finschi, pl. xxxiv.
1874. WALDEN, Lord. A Reply to Mr. Allan Hume's Review of 'Die Papageien' of Dr. Otto Finsch. < *Ibis*, 3d ser., iv, 1874, pp. 270-299.
A terribly incisive castigation, delivered with an unflinching hand—with how much justice, readers of both articles may judge.
1875. FINSCH, O. Ueber drei neue Vögelarten. < *J. f. O.*, 1875, pp. 411—.
The article includes the description of *Chrysotis nattereri*, p. —, from Brazil.
1875. SCLATER, P. L. On some rare Parrots living in the Society's Gardens. < *P. Z. S.*, Feb. 2, 1875, pp. 59, 62, figg. 1, 2, pll. x, xi.
Treating of *Cacatua goffini*, pl. x, and fig. 1 in text, *C. sanguinea* (fig. 2) and *C. gymnopsis*; also, *Chrysotis bouqueti*, pl. xi, from Santa Lucia, and various South American species. Whole series in the menagerie, 186 specimens of 115 spp.
1875. [SCLATER, P. L.] [Addition of *Chrysotis xantholora* to the Society's Menagerie.] < *P. Z. S.*, Mar. 16, 1875, p. 157, pl. xxvi.
1875. [SCLATER, P. L.] [On additions to the Society's Menagerie in March, 1875.] < *P. Z. S.*, Apr. 20, 1875, pp. 316, 317.
Various birds, among them *Chrysotis bouqueti* (see *P. Z. S.*, 1874, p. 323; 1875, p. 59, pl. xi), from Santa Lucia, W. I.
1875. SCLATER, P. L. [Report on additions to the Society's Menagerie, with Remarks on *Chrysotis xantholora*.] < *P. Z. S.*, Mar. 16, 1875, pp. 156, 157, pl. xxvi.
The Parrot named is figured on the plate cited. There is no other bird matter.
1875. SELLER, W. J. A Talking Parrot. < *Rod and Gun*, vii, Dec. 18, 1875, p. 179.
1875. WICKHAM, H. A. [Letter on the occurrence of *Ara hyacinthina* near Santarem, Brazil.] < *P. Z. S.*, Dec. 7, 1875, pp. 633, 634.
1876. GARROD, A. H. Notes on the Anatomy of certain Parrots. < *P. Z. S.*, June 20, 1876, pp. 691, 692.
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1858. BREHM, [C.] L. Die Steinkänze. *Athene*, Boje. *Noctua*, Cuv. (*Strix psilodactyla*, L. *Strix passerina*, Gm., L. *Strix noctua*, Retz.) < *Naumannia*, viii, 1858, pp. 221-230.
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Dr. Kaup was specially occupied for some years with the birds of prey, publishing meanwhile numerous papers. Three of these are upon *Strigidae*—*Isis*, 1848; *Contr. Orn.*, 1851-52, and the present one. He coined many new generic names for these birds, several of which have proven available; but his work cannot be considered of great merit or utility, and would be scarcely remembered were it not for the new genera proposed. His classification is hopelessly vitiated by his 'quinarian' freaks, and his way of working out species has the reverse of felicitous result. I should not be disposed to take issue with any one who might go so far as to consider the author in mention a magnificent failure.
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Article dated Dec., 1862, and possibly out that year in loose sheets, but the whole livr. not published till 1863.
This author's "Oti," or Eared Owls, include the genera *Otus*, *Bubo*, and *Scops*, there being treated of the first 5, of the second 18, and of the third 10 spp., with certain subsp. of these genera respectively. These species are represented in the Leyden Museum by 185 specimens, of a synonymic and descriptive list of which the article consists. *Bubo orientalis minor*, p. 13; *Scops zorca asiaticus* et *africanus*, p. 20, subsp. nn.
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Article dated Dec., 1862; possibly out in loose sheets that year; but the livr. not published till 1863.

1863. SCHLEGEL, H.—Continued.

The 264 specimens of "Striges" contained in the Leyden Museum are here treated, with synonymy and description, as representing 6 spp. of *Strix*, 21 of *Ulula*, and 26 of *Noctua*. *Strix flammea americana*, p. 4; *Noctua hirsuta philippensis*, p. 26; *N. perlata capensis*, p. 37, subspp. nn.—The group is that of Owls without ear-tufts, as distinguished from the tufted species, the latter being the "Oti" of this author.

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1868. MAYNARD, C. J. The Mottled Owl [*Scops asio*] in confinement. < *Am. Nat.*, ii, 1868, pp. 73-77.

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1868. RATHVON, S. S. The Barn Owl [*Strix pratincola*] in Pennsylvania. < *Am. Nat.*, ii, 1868, p. 489.

Account of a nesting place at Lancaster, Pa.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidae, Strigidae, and Columbidae. < *P. Z. S.*, xxxvi, 1868, pp. 53-60, pl. v, woodcut.

The new Owls described are *Syrnium fulvescens*, p. 58, and *Scops barbarus*, p. 56, woodcut; and a synopsis of 7 spp. of the latter genus is also given.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American Birds of the Families Fringillidae, Oxyrhamphidae, Bucconidae, and Strigidae. < *P. Z. S.*, xxxvi, 1868, pp. 322-329, pl. xxix.

The Owl described and figured is *Gymnoglaux lawrencii*, p. 328, pl. xxix; a synonymatic synopsis of 3 spp. of this genus is also given.

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On the changes of plumage, and habits.

1868. WRIGHT, C. A Comical Owl [*Glaucidium siju*]. < *Am. Nat.*, ii, 1868, pp. 420-422.

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Sur les *Strigidae* du Canada. Pl. I. *Syrnium nebulosum* (d'après Audub.).
1870. CLIFTON, Lord. Supposed [entirely uncertain] Occurrence of the American Mottled Owl [Scops] at Cobham, Kent. < *Zoologist*, 2d ser., v, 1870, p. 2138.
1870. CLIFTON, Lord. Supposed Occurrence of *Strix asio* in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2343.
Reaffirmed.
1870. GURNEY, J. H. Supposed Occurrence of the American Mottled Owl [Scops asio] in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2221.
Leaves it open.
1870. HADFIELD, H. Supposed Occurrence of the American Mottled Owl [Scops asio] in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2181.
Doubtful.
1870. HADFIELD, H. Supposed Occurrence of *Strix asio* in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2352.
Criticises his lordship severely. Editor interferes to stay further proceedings.
1870. HAWKINS, H. S. [On the nesting of *Nyctea nivea* in Labrador.] < *Ibis*, 2d ser., vi, 1870, p. 298.
1870. STREETS, T. H. [On asymmetry in the skull of an owl.] < *Proc. Acad. Nat. Sci. Phila.*, 1870, p. 73.
1871. ANON. Hiboux [se montrent très communs à Quebec]. < *Naturaliste Canadien*, iii, 1871, p. 28.
1871. ASHBY, R. Snowy Owl in County Mayo. < *Zoologist*, 2d ser., vi, 1871, p. 2765.
1871. CLIFTON, Lord. Note on the alleged Identity of the American Red Owl [Scops asio] with the Mottled Owl [Scops asio]. < *Zoologist*, 2d ser., vi, 1871, p. 2606.
Returns to the charge with a flank movement.
1871. COLLETT, R. On the Asymmetry of the Skull in *Strix tengmalmi*. < *P. Z. S.*, xxxvi, 1871, pp. 739-743, woodcc.
1871. HADFIELD, H. Mottled and Red Owl [Scops asio]. < *Zoologist*, 2d ser., vi, 1871, pp. 2680, 2681.
Flank movement ineffectual; charge resumed. Editor dismisses both belligerents forever.
1871. KESSLER, G. Die Schnee-Eule [*Nyctea nivea*] auf Hiddens-Oee erlegt. < *J. f. O.*, xix, 1871, p. 224.
1871. VERRILL, A. E. Occurrence of Kirtland's Owl [*Nyctale* "albifrons," i. e., *N. acadica* juv.] in Maine. < *Am. Nat.*, v, 1871, p. 119.
1872. COLLETT, R. Om Kraniets Assymetri hos *Nyctala tengmalmi*. < *Vidensk. Selsk. Forh. Christ.*, 1872, pp. 68-73, woodcc.
Mainly a translation of his paper in *P. Z. S.*, 1871, p. 739.
1872. COUES, E. A New Bird [*Glaucidium ferrugineum*] to the United States. < *Am. Nat.*, vi, 1872, p. 370.
1872. ELLIOT, D. G. On *Nyctale kirtlandi*. < *Ibis*, 3d ser., ii, 1872, pp. 48-52.
Identifies it with *N. tengmalmi*; full synonymy and description. But cf. Ridgway, *Am. Nat.*, 1872, pp. 283-285.

1872. GURNEY, J. H., JR. Snowy Owl at Southrepps, Norfolk. < *Zoologist*, 2d ser., vii, 1872, p. 2912.
1872. RIDGWAY, R. Relationship of the American White-fronted Owl. < *Am. Nat.*, vi, 1872, pp. 283-285.
Critical examination (with ref. to Elliot, *Ibis*, Jan., 1872) of *N. albifrons*, which is determined to be *N. acadica* juv. Characters and synonyms of this species and *N. tengmalmi*.
1872. WHITAKER, J., JR. Abundance of Shorteared Owls in Nottinghamshire. < *Zoologist*, 2d ser., vii, 1872, p. 2992.
1873. A[LLEN], J. A. The White-fronted Owl in Canada. < *Am. Nat.*, vii, 1873, pp. 427-429.
Maintains that this is *Nyctale acadica* juv.
1873. RIDGWAY, R. Revision of the . . . and the Strigine Genus, *Glaucidium*. < *Proc. Boston Soc. Nat. Hist.*, xvi, 1873, pp. 73-106.
For full title and comment, see under FALCONIDÆ, same date and author.
1873. WHITAKER, J., JR. Shorteared Owl in Nottinghamshire. < *Zoologist*, 2d ser., viii, 1873, p. 3489.
1874. COUES, E. Pet Owls [*Bubo virginianus*]. < *Am. Sportsman*, iii, 1874, p. 354.
1874. GRATOR, A. Captive Owl fed by its Mate. < *Am. Sportsman*, iii, 1874, p. 213.
1874. GURNEY, J. H. Nidification of the Snowy Owl in Confinement. < *Zoologist*, 2d ser., ix, 1874, p. 4154.
1874. HUDSON, W. H. On the Habits of the Burrowing Owl (*Pholeoptynx cucularia*). < *P. Z. S.*, xlii, 1874, pp. 308-311.
1874. RIDGWAY, R. Discovery of a Burrowing Owl in Florida. < *Am. Sportsman*, iv, No. 14, July 4, 1874, p. 216, fig. 1.
Description of *Speotyto cunicularia* var. *floridana*, var. n., with account of habits. Remarks upon geographical distribution of American birds, and peculiarities of Florida in this respect.
1874. RIDGWAY, R. Two Rare Owls [*Syrnium occidentale*, *Micrathene whitneyi*] from Arizona. < *Am. Nat.*, vii, No. 4, Apr., 1874, pp. 239, 240.
The article includes a notice of *Asturina plagiata*.
1875. ANON [EDITORIAL]. [Capture of *Speotyto hypogaea* in New York City.] < *Forest and Stream*, v, Aug. 12, 1875, p. 4.
1875. DEANE, R. Occurrence of the burrowing Owl in [Newburyport,] Massachusetts. < *Rod and Gun*, vi, May 15, 1875, p. 97.
Read before *Nutt. Ornith. Club*, May 6; notes also other rarities.
1875. GURNEY, J. H. On the Snowy Owl [*Nyctea nivea*] nesting in Confinement. < *Zoologist*, 2d ser., x, Aug., 1875, p. 4573.
1875. GURNEY, J. H. Further Note [*Zool.*, s. s., 4573] on the Young of the Snowy Owl [*Nyctea scandiaca*] hatched in Confinement. < *Zoologist*, 2d ser., x, Oct., 1875, pp. 4663, 4664.
1875. GURNEY, J. H. [On the breeding of *Nyctea nivea* in confinement.] < *Ibis*, 3d ser., v, 1875, pp. 517, 518.
1875. "PETE." The Great Horned Owl (*Bubo virginianus*) [attacks a dog]. < *Rod and Gun*, vii, Dec. 11, 1875, p. 163.
1875. RIDGWAY, R. More About the Florida Burrowing Owl [*Speotyto cunicularia* var. *floridana*]. < *Rod and Gun*, vi, Apr. 3, 1875, p. 7. (See also *Am. Sportsman* for July 4, 1874.)
1875. SHARPE, R. B. Contributions to a History of the Accipitres. The Genus *Glaucidium*. < *Ibis*, 3d ser., v, 1875, pp. 35-59, pl. i, ii.
Elaborate, critical, with special reference to R. Ridgway's paper on same subject (*Pr. Bost. Soc.*, xvi, 1873, pp. 91-106). 9 spp. *G. griseiceps*, p. 41, pl. ii, f. 2; *G. ridgwayi*, p. 58, spp. nn.: pl. i, *G. gnomia*; pl. ii, f. 1, *G. pumilum*.
1875. SHARPE, R. B. Contributions to a History of the Accipitres. The Genus *Strix* of Linnaeus, and its Type. < *Ibis*, 3d ser., v, 1875, pp. 324-328.
Strix is left for *S. flammea*. But see especially NEWTON, *Ibis*, 1876, pp. 94-104.

1875. SHARPE, R. B. Catalogue of the Striges, or Nocturnal Birds of Prey. in the collection of the British Museum. By R. Bowdler Sharpe. London: printed by order of the Trustees. 1875. 1 vol. 8vo. pp. i-xii, 1-323, pl. i-xv, and numberless cuts in text.

This is the second vol. of the new Catalogue of the Birds of the British Museum, entitled as follows: Catalogue of the Birds of the British Museum. Volume II. London: printed by order of the Trustees. 1875. It catalogues 1,090 specimens of Owls, of which there are in the Museum 153 species, leaving 37 desiderata of the 190 spp. supposed to be known. The plan of the work, as was that on the *Falconidae*, which forms Vol. I. is much more highly developed than was that of the old Brit. Mus. Catalogues, being in fact a considerable monograph of the birds of which the work treats. The author regards the *Striges* as an order, which he divides into two families, *Bubonidae* and *Strigidae*, according to the structure of the feet and sternum; the latter family containing only the genera *Strix* ("Barn Owls") and *Phodilus*. The *Bubonidae* are divided into the two subfamilies, *Buboninae* and *Syrniinae*, according to the structure of the ear-conch and facial disc. Analyses of all the genera are given, and the species are very elaborately described, with extensive synonymy, geographical distribution, and critical comment. Fourteen genera of *Buboninae* and three of *Syrniinae* are recognized. Analytical keys to the species, as well as to the genera, are presented. Whatever may be said of the author's general attitude in classification, and in discrimination of species, his work is obviously very carefully and faithfully done.

The following appear to be new names: *Scops stictonotus*, p. 54; *S. rufipennis*, p. 60; *S. bouruensis*, p. 73; *S. albiventris*, p. 78; *S. guatemalæ*, p. 112; *Syrnium spilonotum* ("Gray, descr. nulla"), p. 277.

The plates are as follows: I, *Scotopelia bouvieri*. II, *Bubo shelleyi*. III, f. 1, *Scops capensis*; f. 2, *S. stictonotus*. IV, f. 1, *S. malayanus*; f. 2, *S. gymnopodus*. V, *S. magicus*. VI, *S. leucospilus*. VII, f. 1, *S. morotensis*; f. 2, *S. bouruensis*. VIII, f. 1, *S. albiventris*; f. 2, *S. mendanensis*. IX, *S. guatemalæ*. X, *S. hypogramma*. XI, f. 1, *Ninox hantu*; f. 2, *N. ochracea*. XII, f. 1, *N. fusca*; f. 2, *N. squamipila*. XIII, f. 1, *Glaucidium cobanense*; f. 2, *G. tephronotum*. XIV, *Strix flammea*.

1875. "SPEOTYTO FLORIDANUS." Adventures of a Scientific Owl. < *Am. Sportsman*, v, Mar. 27, 1875, p. 401.

Humorous history of *Speotyto floridanus*. The bird, confined in the Smithsonian Tower, destroyed the type specimen *Helminthophaga leucobronchialis*; cf. COUES, B. C. V., pt. i, 1878, p. 213.

1875. "WOLVERENE." My Owl [*Scops asio*], etc. < *Am. Sportsman*, v, 1875, Feb. 20, p. 347.

1876. ANON. [*Nyctea nivea* unusually abundant at Boston.] < *Forest and Stream*, vii, Nov. 23, 1876, p. 245. (See p. 261.)

1876. ANON. [*Nyctea nivea* at Norfolk, Va., and in South Carolina.] < *Forest and Stream*, vii, Dec. 7, 1876, p. 276. (See pp. 245, 261.)

1876. BOIES, A. H. A Wary Owl [*Nyctea nivea*?]. < *Rod and Gun*, ix, Nov. 25, 1876, p. 116.

1876. "CAU." The Snowy Owls [at Boston]. < *Forest and Stream*, vii, Nov. 30, 1876, p. 261. (See p. 245.)

1876. CLARK-KENNEDY, A. J. Barn Owl and Shrew. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4922, 4923.

1876. DUNBAR, S. M. Bad Place for Owls. < *Rod and Gun*, ix, Nov. 25, 1876, p. 116.
Various species at Baldwinsville, N. Y.

1876. GATCOMBE, J. Occurrence of the Snowy Owl on Dartmoor. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4921, 4922.

1876. GURNEY, J. H., JR. Claws of the Hawk Owl. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4795.

1876. GURNEY, J. H., JR. Barn Owl and Shrew. < *Zoologist*, 2d ser., xi, Apr., 1875, p. 4871.

1876. GURNEY, J. H., JR. Barn Owl and Rat. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4871.

1876. GURNEY, J. H., JR. On the Snowy Owl Nesting in Confinement. < *Zoologist*, 2d ser., xi, Aug., 1876, pp. 5041, 5042.

1876. HOWELL, T. H. The Short-eared Owl [in Illinois]. < *Forest and Stream*, vii, Nov. 30, 1876, p. 261. (See p. 342.)
1876. "J. B. S." The Arctic Owl [*Nyctea nivea*?]. < *Forest and Stream*, vii, Nov. 16, 1876, p. 230.
1876. MITFORD, R. Barn Owl and its Castings. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4832.
Cf. op. cit., p. 4870.
1876. MITFORD, R. Owl-pellets: Correction of an Error. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4870.
Cf. op. cit., p. 4832.
1876. MURRAY, H. B. Snowy Owl in County Fermanagh. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4871.

1876. NEWTON, A. On the Assignment of a Type to Linnean Genera, with especial reference to the Genus *Strix*. < *Ibis*, 3d ser., vi, Jan., 1876, pp. 94-104.

The opinion expressed by the writer (*Yarr. Br. B.*, 4th ed., i, p. 150) having been demurred to by Salvin (*Ibis*, 1875, pp. 66, 67) and Sharpe (*ibid.*, pp. 324-328), this occasion is taken to reconsider the matter, and reiterate the views on nomenclature already expressed. It is an important paper in its bearing on the general question, discussing certain principles touching nomenclature at large, aside from the special case of *Strix*. The author has decided views on the subject, and adheres to certain rules with such thorough consistency that he scarcely provides for some emergencies which may arise, and appear to many persons to require some elasticity of application of a principle he would make inflexible. He fortifies his position with his usual cogency of argument and his conspicuous scholarly attainments.

Prof. Newton finds that, among the 78 genera of Linn. *S. N.*, 1766, there are only 12 which Linnaeus can be considered to have invented: *Rhamphastos*, *Buceros*, *Procellaria*, *Diomedea*, *Phaeton*, *Palamedea*, *Mycteria*, *Canceroma*, *Parra*, *Didus*, *Menura*, *Pipra*. He doubts not that had Linnaeus known our modern practice, he would have designated as the type of each of his genera that species to which the name he adopted as generic had formerly been specifically applied; this seeming so obvious that he wonders at G. R. Gray and others who invented the arbitrary rule of selecting the first-named Linnean species as the type of the genus under which it stands. He finds it curious that so few Linnean genera, such as *Vultur*, *Falco* and *Psittacus* (and 9 others) had been used by pre-Linnean writers in a generic sense. The authors whence Linnaeus derived his genera are Gesner, Belon, Aldrovandus, Chusius, Johnston, Brown, Barrère, Klein, Moehring, Brisson, and perhaps one or two others.

Following out his principle, the author determines the types of 56 Linnean genera to be as follows (to save space I simply couple the generic and specific terms): *Strix* stridula, *Lanius excubitor*, *Buphaga africana*, *Crotophaga ani*, *Corvus corax*, *Oriolus gallula*, *Paradisæa apoda*, *Buceo capensis*, *Oculus canorus*, *Jynx torquilla*, *Picus martini*, *Sitta europæa*, *Alcedo ispida*, *Micropus apiastr*, *Upupa epops*, *Certhia familiaris*, *Trochilus colubris*, *Alca torda*, *Procellaria pelagica*, *Diomedea exulans*, *Pelecanus onocrotalus*, *Plotus aubinga*, *Phaeton æthereus*, *Rhynchops nigra*, *Sterna hirundo*, *Phœnicopterus ruber*, *Platalea leucorodia*, *Mycteria americana*, *Canceroma cochlearia*, *Ardea cinerea*, *Tantalus loculator*, *Recurvirostra avocetta*, *Hæmatopus ostralegus*, *Fulica atra*, *Parra jacana*, *Rallus aquaticus*, *Psophia crepitans*, *Otis tarda*, *Struthio camelus*, *Didus ineptus*, *Pavo cristatus*, *Meleagris gallopavo*, *Orax alector*, *Phasianus colchicus*, *Numida meleagris*, *Alauda arvensis*, *Sturnus vulgaris*, *Turdus viscivorus*, *Ampelis garrulus*, *Loxia curvirostra*, *Tanagra tatao*, *Fringilla cœlebs*, *Muscicapa grisola*, *Pipra leucocilla*, *Hirundo rustica*, *Caprimulgus europæus*.

Out of those 56 genera, only *Strix* and three or four others have, from the author's way of regarding them, a type other than that commonly assigned to them.

The case of *Strix* is then elaborately discussed, and the author maintains, in summing his answer to his critics,

"(1) That the type, according to the modern notion, of the Linnean genus *Strix*, is clearly and indisputably *S. stridula*.

"(2) That in subdividing a genus Brisson's right to affix its original name to the portion of it he chose is not affected by his exceptional position as regards specific names, and that the type of his restricted genus *Strix* is also *S. stridula*.

"(3) That should ornithologists, in the teeth of the law, persist in disregarding this right, there is a strong probability, which may at any moment become a certainty, of its being indefinitely established without reference to any exception whatever."

1876. NICHOLLS, H. Abundance of the Shorteared Owl near Kingsbridge. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4831, 4832.

1876. RIDGWAY, R. The Genus *Glaucidium*. < *Ibis*, 3d ser., vi, Jan., 1876, pp. 11-17, pl. i.
Cf. Ridway, *Proc. Bost. Soc.*, xvi, 1873, pp. 91-106, and Sharpe, *Ibis*, 3d ser., v, Jan., 1875, pp. 35-39; the latter being a review of the former. "The present paper represents the conclusions arrived at after a careful reconsideration of the subject, with much additional material, and the benefit of Sharpe's monograph. . . ." The author here allows *G. gnoma*, *jardini*, *nanum*, *ferrugineum*, *pumilum*, and *siju*, all of which are analyzed, and several of which are described at length, with synonymy. The plate gives *G.ardini*, in its two phases of coloration.
1876. [SALVIN, O.] [Notice of Sharpe's Catalogue of the Striges in the British Museum.] < *Ibis*, 3d ser., vi, Apr., 1876, pp. 273, 274.
1876. SHARPE, R. B. On the Geographical Distribution of Barn Owls. < *Rowl. Orn. Misc.*, pt. iv, May, 1876, pp. 269-293, 3 maps; pt. v, Oct., 1876, pp. 1-21.
 In this article Mr. Sharpe goes much further into the subject of the distribution, local names, etc., of *Strix flammea* and its allies, than he did in the *Brit. Mus. Cat.*, ii, pp. 294-296, where his general conclusions are stated. He divides the birds into the true Barn Owls and the Grass Owls, of which latter two African and Asiatic species are known. Map I shows the distribution of the different races of *Strix flammea*; Map II the ranges of *S. nova hollandica*, *S. tenebriosa*, and *S. castanops*; Map III, of *S. candida*, *S. capensis*, and *S. thomensis*—these three being the Grass Owls.
1876. SHARPE, R. B. [Remarks on Exhibition of a British-killed specimen of *Surnia ulula*.] < *P. Z. S.*, Apr. 4, 1876, pp. 334, 335.
1877. ANON. [*Nyctea nivea* on its southward migration invariably accompanied by Ptarmigans.] < *Forest and Stream*, viii, Feb. 22, 1877, p. 33.
1877. BREWER, T. M. A new Form of *Surnia* [*ulula*] to New England. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 78.
1877. COALE, H. K. Notes on [occurrences, etc., of] *Nyctale acadica*. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 83, 84.
1877. DEANE, R. Probable Breeding of the Acadian Owl (*Nyctale acadica*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 84.
1877. DEANE, R. Unusual abundance of the Snowy Owl (*Nyctea scandiaca*) in New England. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 9-11.
1877. FRAZAR, A. M. The Mottled Owl [*Scops asio*] as a Fisherman. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 80.
1877. RAGSDALE, G. H. An Inquiry [concerning identity of supposed *Speotyto cunicularia* var. *hypogaea*, Cs.]. < *Forest and Stream*, viii, Feb. 22, 1877, p. 33.
1877. "R. T. G." [and EDITOR]. A tough owl [colliding with railway train]. < *Forest and Stream*, vii, Feb. 1, 1877, p. 405.
1877. [SCLATER, P. L.] [Note on the abundance of *Nyctea nivea* in Europe and America in the winter of 1876-77.] < *P. Z. S.*, Jan. 2, 1877, p. 1.
1877. [SCLATER, P. L.] [On addition of a Mexican Eared Owl (*Asio mexicanus*) to the Society's Menagerie.] < *P. Z. S.*, Mar. 6, 1877, pp. 159, 160.
 Important synonymatic note on the name here used.
1877. [SCLATER, P. L., and SALVIN, O.] Irruption of Snowy Owls [*Nyctea nivea*] from the North. < *Ibis*, 4th ser., i, Jan., 1877, pp. 131, 132.
 Occurring in the United States.
1878. ANON. The Acadian Owl [*Nyctale acadica*]. < *The Oölogist*, iv, No. 5, July, 1878, p. 38.
 Note of its habits as observed in Central New York.
1878. ABBOTT, C. C. The barn owl. < *The Country*, i, Mar. 2, 1878, p. 260.
1878. ALLEN, C. A. The Pygmy Owl (*Glaucidium californicum*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 193.
 Note of habits. Mobbed by small birds.
1878. [FITCH, E. H.] The Great Grey Owl. (*Syrnium cinereum*.) < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 5, Aug., 1878, cut.
 Popular biography, with an excellent figure.

1878. JASPER, T. The Barred Owl (*Syrnium nebulosum*). < *The Oölogist*, iv, No. 3, May, 1878, pp. 21, 22.

A notice of the habits of this species, from his 'Birds of North America,' Part 6.

1878. LAWRENCE, G. N. On the Members of the Genus *Gymnoglaux*. < *Ibis*, 4th ser., ii, Apr., 1878, pp. 184-187.

The author maintains "three well marked species,"—*nudipes* Daud., from Porto Rico; *newtoni* Lawr., from St. Croix and St. Thomas; and *lawrencei*, S. and S., from Cuba,—which are described and compared. Editors incline to differ.

1878. RIDGWAY, R. A Review of the American Species of the Genus *Scops*. < *Proc. U. S. Nat. Mus.*, i, 1878, pp. 85-117.

This is an elaborate article, in which the several American species are described at full length and critically discussed, upon more material than appears to have been commanded by previous writers. The six species recognized are thrown into three groups, according to the feathering of the feet.—A, *S. nudipes* alone, with toes and lower half or more of tarsus bare; B, with *SS. brasiliensis*, *barbarus*, and *flammeolus*, with toes alone, or merely lower end of tarsus, completely naked; C, *SS. asio* and *cooperi* (n. sp., p. 116), with toes strongly bristled, sometimes densely feathered, at base. *S. nudipes* stands alone, without subspecies. Of *S. brasiliensis* are recognized subsp. *brasiliensis*, *atricapillus*, *ustus*, *guatemalæ*, and *cassini* (subsp. n., p. 102). *SS. barbarus* and *flammeolus* have no subspecies. Of *S. asio* are recognized subsp. *asio*, *maccalli*, *kennieotti*, *floridanus*, and *mazwelliæ*. *S. cooperi* has no subsp. Besides these six distinct forms, with their several races, the author treats *S. trichopsis*, Wagl., as a doubtful form. The descriptions given are very elaborate, and the synonymy is copious. Cf. *Ibis*, 1879, p. 209.

1878. [SCOTT, W. E. D.] [Attacks by *Scops asio* upon human beings.] < *The Country*, i, Feb. 23, 1878, p. 245.

1878. [SCOTT, W. E. D.] Winter Notes. Owls. < *The Country*, i, 1878, pp. 229, 244.

1878. "SUBSCRIBER." [Attack upon a man by] Another Vicious Owl. < *Forest and Stream*, x, Mar. 14, 1878, p. 95.

1878. WILLISTON, S. W. The Prairie Dog, Owl [*Speotyto cunicularia hypogæa*] and Rattlesnake. < *Am. Nat.*, xii, No. 4, Apr., 1878, pp. 203-208.

1879. ANON. [COOPER, J. G.?] The Great Gray Owl [*Syrnium cinereum*]. < *Pacific Rural Press*, xvii, No. 1, Jan. 4, 1879, p. 9, fig.

Compiled account of the species, and a very good figure, from Baird, Brewer and Ridgway's *Hist. N. A. Birds*.

1879. BALLOU, W. H. Does the Snowy Owl [*Nyctea niven*] Breed in the United States? < *Am. Nat.*, xiii, No. 8, Aug., 1879, pp. 524, 525.

Asserting as a fact that the bird is seen along Lake Ontario throughout the year, and that in the "North Woods" of New York the writer once saw a young Snowy Owl not nearly full-fledged.

1879. COOPER, W. A. Notes on the Breeding Habits of the California Pygmy Owl (*Glaucoedon californicum*), with a Description of its Eggs. < *Bull. Natl. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 86, 87.

Note by J. A. Allen refers to *Pr. Bost. Soc. Nat. Hist.*, xix, 1877, p. 232, as the only previous account of the eggs of this species, based on the same specimens as here described.

1879. DEANE, R. Capture of a Third Specimen of the Flammulated Owl (*Scops flammeola*) in the United States, and first Description of its Nest. < *Bull. Natl. Ornith. Club*, iv, No. 3, July, 1879, p. 188.

1879. HAWES, C. A. Nesting of the Barred Owl (*Syrnium nebulosum*). < *The Oölogist*, iv, No. 10, May, 1879, pp. 77, 78.

From original observations made near Boston, Mass.

1879. KING, M. B. A. A Family Arrangement [*Bubo virginianus*]. < *Science News*, i, No. 16, June 15, 1879, p. 256.

Occurrence of five young, apparently of different ages, in one nest.

1879. [WOOD, C. S.] *Scops flammeola*. < *Colorado Springs Gazette* [daily newspaper], Sept. 3, 1879.

First publication of the exhibition by C. E. Aiken of the fourth specimen of this species known from the United States.

Falconidæ.

[NOTE.—Among papers on Birds of Prey there are not a few relating to more than one of the recognized families of this order. As I have no head under which to range articles on *Raptores* in general, I bring under *Falconidæ* the titles relating to American *Raptores*, excepting those treating exclusively of *Strigidæ* or of *Cathartidæ*.]

1781. MERREM, B. Anatomische Beschreibung des weisköpfigen Adlers. < *Vermischte Abhandl. zur Thiergesch. Göttingen*, —, 1781, pp. 145—.
- Not seen—the title from Giebel.
1784. HUBER, [J.] Observations | sur le vol des | Oiseaux de Proie. | Par M. Huber, de Genève. | Accompagnées de figures, dessinées par l'Auteur. | [Dessin.] | A Genève, | Chez Paul Barde, Imprimeur-Libraire. | — | M. DCC. LXXXIV. 1 vol. 4to in size and by signatures, 8vo type-bed, pp. 51, with 6 folded pll.
1784. ÖDMAN, S. Fiskljuseus (Falconis Haliæti) Hushållning och Historia. < *Kongl. Vetensk. Acad. Nya Handl.*, v, 1784, pp. 301-309.
1784. ÖDMAN, S. Falco albicilla, Svet. Hafs-örn. < *Nova Acta Reg. Soc. Sc. Upsal.*, iv, 1784, pp. 225-238.
- Not seen.
1798. CARLSON, G. V. Tal med Utkast till Falk-Slägtets [Falconidæ] i synnerhet de Svenska Arternas, Indelning och Beskrifning; hållet för K. Vet. Akad. vid Præsidiij nedläggande d. 31 Jan. 1798 af Gust. v. Carlson. Stockholm. 1798. 8vo. pp. 30.
- Not seen.
1798. LJUNGH, S. I. Beskrifning på Svarta Örnen, Falco Fulvus canadensis [Aquila chrysaëtus], en ny Reeriit för Fauna Svecica. < *Kongl. Vetensk. Acad. Nya Handl.*, xix, 1798, pp. 235-240.
- In Swedish and Latin.
- 1801-02. WACHTMEISTER, H. Försök til Svenske Falk-Arters beskrifning och bestämmande. < *Kongl. Vetensk. Acad. Nya Handl.*, xxii, 1801, pp. 171-207; xxiii, 1802, pp. 249-274.
- FF. albicilla, fulvus, naevius?, haliætus, lagopus, islandicus, gyrfalco, milvus, buteo, apivorus, aeruginosus, rufus*, pp. 171-207, 1801.—*FF. palumbarius, gallinarius, peregrinus*, —, —, —, *subbuteo, tinunculus, lithofalco, nisus*, pp. 249-274, 1802.
1809. CUVIER, FRÉD. Du Pygargue et de l'orfraie, Falco pygargus et falco ossifragus. Linnaeus. < *Ann. du Mus. Hist. Nat.*, xiv, 1809, pp. 301-313.
- Sur les noms que les anciens ont donné aux aigles dont ils ont parlé, et sur l'application de ces noms aux espèces que nous connoissons—Comparaisons des descriptions que les anciens ont donné—Le pygargue et l'orfraie paroissent être de la même espèce, et ce dernier nom doit être conservé.
1810. SAVIGNY, J. C. Système | des | Oiseaux | de l'Égypte et de la Syrie, | présenté à l'Assemblée Générale de la Commission, | le 29 Août 1808, | Par Jules-César Savigny, Membre de l'Institut de l'Égypte. | [Dessin.] | A Paris, | de l'imprimerie Imperiale [sic]. | — | M. DCCC. X. 1 vol. folio. pp. 1-54, 1-16.
- Petite édition, revue par l'auteur, tirée à 30 exemplaires. Extraite de la *Deser. de l'Égypte, Partie Systématique, Oiseaux de l'Égypte et de la Syrie*. Exemplaire dans la *Bibliothèque de l'Acad. des Sc. Nat. de la Philadelphie*, inserito "à M. Latreille, comme un témoignage des sentimens de l'auteur" (autographe de l'auteur), plus tard présentée à l'Académie par M. le Dr. T. B. Wilson.
- The copy of this extremely rare piece consists of 54 + 16 pages folio, including the two titles. The full title is transcribed above. The prel. title is: Oiseaux | de l'Égypte et de la Syrie. | — | Partie Systématique. | With it is bound 16 pages of "Observations," half-titled as follows: Observations | sur | le Système des Oiseaux | de l'Égypte et de la Syrie. | The 54 pages are extracted from the general work on Egypt, apparently for the purpose of following them up with the "Observations." These are in defense of the "Système," which had been critized in high places.

1810. SAVIGNY, J. C.—Continued.

The first order, *Raptores*, of Savigny's System, appeared in 1809 in the first livraison of the general work, and was intended to form part of a considerable treatise. It is here that we find the several new generic names of Savigny's for Birds of Prey. In this extract of 1810 the 17 genera which the author adopts are characterized on pp. 8, 9. They are as follows:—

VULTURES.—1. *Gyps*. 2. *Ægyptius*. 3. *Neophron*. 4. *Phene*.

ACCIPITRES.—5. *Aquila*. 6. *Halieetus* (observe the original orthography of this name). 7. *Milvus*. 8. *Circus*. 9. *Dedalion*. 10. *Pandion*. 11. *Elanus*. 12. *Falco*.

ULULÆ.—13. *Noctua*. 14. *Scops*. 15. *Bubo*. 16. *Syrnium*. 17. *Strix*.

The species of these genera are given as follows; they include many new names:—

1. *Gyps vulgaris*, p. 11. 2. *Ægyptius niger*, p. 14. 3. *Neophron percnopterus*, p. 16. *Phene ossifraga*, p. 18; 5. *P. gigantea*, p. 20. 6. *Aquila heliaca*, p. 22; 7. *A. fulva*, p. 22; 8. *A. melanactos*, p. 24. 9. *Halieetus nissus*, p. 26. 10. *Milvus icinus*, p. 28; *M. otolius*, p. 29. 12. *Circus aeruginosus*, p. 30; 13. *C. rufus*, p. 31; 14. *C. gallinarius*. 15. *Dedalion palumbarius*, p. 33; 16. *D. fringillarius*, p. 34. 17. *Pandion flaviatilis*, p. 36. 18. *Elanus cæsius*, p. 38. 19. *Falco tinnunculus*, p. 39; 20. *F. smirillus*; 21. *F. communis*. 22. *Noctua glaux*. 23. *Scops ephialtes*. 24. *Bubo otus*; 25. *B. ascalaphus*. 26. *Syrnium ululans*. 27. *Strix flammea*.

The text consists chiefly (besides brief characters of the species and genera) of a most elaborate and erudite synonymy of the names applied to these birds by ancient and modern authors.

The interesting copy handled is annotated in Savigny's handwriting, and was formerly presented by him to Latreille.

1818. WILSON, J. Observations on some Species of the Genus *Falco* of Linnaeus. < *Mem. Wernerian Nat. Hist. Soc.*, ii, pt. ii, 1818, pp. 569–617.

Read Feb., 1817.—An elaborate and carefully prepared criticism, not to be overlooked in any study of the subject, in spite of errors now fully apparent.—Specific distinction of *Falco fulvus* and *F. chrysaetos* maintained. Identity of *Falco albidus* Gm. and *F. variegatus* with *F. apivorus*.—Significance of the terms "Haggard" and "Gentle" or "Gentil".—Discussion of *Falco gentilis*, considered as "one of the numerous varieties of the 'Common Falcon'."—On *Falco palumbarius*.—History of *F. communis*, to which *FF. peregrinus*, *hornotinus*, *fuscus*, *leucocephalus*, *albus*, *gibbosus*, *rubens*, *maculatus*, and *niger*, all of Brisson, and perhaps some other names, are considered referable.

1820. KÜHL, H. [Gehirn einer] *Aquila ossifraga* (IV.). < *Van Hasselt und Kuhl's Beit. zur Vergl. Anat.*, ii^{te} Abtheil., 1820, pp. 60, 61, pl. iv, f. 1–3, pl. v.

Pl. iv, f. 4–6, dasselbe des *Psittacus aestivus*.

1822. GREEN, J. *Falco leucocephalus*—Bald Eagle. < *Sillim. Am. Journ. Sci.*, iv, 1822, pp. 89, 90.

Note of capture of a specimen.

1823. SELBY, P. J. Some Observations on the *Falco chrysaetos* and *F. fulvus* of Authors, proving the Identity of the two supposed species. < *Mem. Wernerian Nat. Hist. Soc.*, iv, pt. ii, 1823, pp. 428–433, fig. on p. 431.

With reference to J. Wilson's article in the same Memoirs, 1823, q. v. The author makes the point plain.

1823. WILSON, J. Remarks on the different Opinions entertained regarding the specific Distinction, or Identity, of the Ring-tailed and Golden Eagles. < *Mem. Wernerian Nat. Hist. Soc.*, iv, pt. ii, 1823, pp. 434–448.

"Notwithstanding the arguments which have been brought forward by Mr SELBY and other competent judges," the writer adheres to his opinion of their specific distinctness, and supports his views at great length.

1824. [BREHM, C. L.] Der nordische Seeadler. (Weisschwänzige Seeadler. Beinbrecher.) *Aquila borealis*, Brehm. (*Aquila albicilla* et *ossifraga*. *Falco albicilla* et *ossifragus*, Linn.) < *Ornis*, Heft i, 1824, pp. 1–19.1824. VIGORS, N. A. Sketches in Ornithology: or, [etc.] < *Zool. Journ.*, i, 1824, pp. 308–446; [etc.]

This is the first instalment of a series of articles under the above head, running through several vols. and years of the periodical. It is subtitled: On the Groups of the *Falconidæ*. (pp. 312–346.)

This portion treats of the *Falconidæ*, which are analyzed and classified upon the quinary plan, being divided into 5 stirpes—*Accipitrina*, *Falconina*, *Buteonina*, *Milvina*, *Aquilina*. Further comment upon the article is therefore superfluous. *Harpagus*, g. n., p. 327.

1825. LESSON, [R.] P. Quelques Observations sur les *Falco chrysaetos* et *fulvus*, qui prouvent l'identité de ces deux espèces; par P.-J. Selby. . . . < *Féruss. Bull.*, 2^e sect., vi, 1825, pp. 96, 97.
Extrait des *Mém. Wern. Soc.*, iv, pt. ii, 1823, pp. 428-433, q. v.
1825. LESSON, [R.] P. Remarques sur diverses opinions émises sur la distinction spécifique, ou sur l'identité des Aigles commun et doré; par James Wilson. . . . < *Féruss. Bull.*, 2^e sect., vi, 1825, p. 97.
Extrait des *Mém. Wern. Soc.*, iv, pt. ii, 1823, pp. 434-448, q. v.
1825. LESSON, R. P. Esquisses ornithologiques, ou observations sur les rapports qui existent dans un des groupes les plus nombreux en espèces d'oiseaux; par N.-A. Vigors, jun. . . . < *Féruss. Bull.*, 2^e sect., vi, 1825, pp. 406-408.
Extrait du *Zoological Journal*, i, Oct., 1824, pp. 308-446; cette partie des "Esquisses" renferme la classification "quinnaire" des Falconidés.
1825. VIGORS, N. A. On a new genus of Falconidæ [*Gampsonyx swainsonii*, sp. n., p. 69]. < *Zool. Journ.*, ii, No. 5, Apr., 1825, pp. 65-70.
A subhead, being part of the 2d instalment of "Sketches in Ornithology; or," etc. Cf. *Féruss. Bull.*, 2^e sect., vii, 1826, p. 106; *Isis*, 1830, pp. 839, 840.
1825. VIGORS, N. A. On a new genus of Falconidæ [*Naclerus rioconrii*, p. 386, sp. n.]. < *Zool. Journ.*, ii, No. 7, Oct., 1825, pp. 385-387.
A subhead, being part of the fourth instalment (pp. 368-405) of the series of papers entitled "Sketches on Ornithology; or," etc. Cf. *Féruss. Bull.*, ix, 1826, p. 91; *Isis*, 1830, pp. 1042, 1043.
1826. LESSON, R. P. Esquisses ornithologiques, etc., sur un genre nouveau des Falconidæ; par M. N. A. Vigors. . . . < *Féruss. Bull.*, 2^e sect., vii, 1826, p. 106.
Gampsonix (sic) *swainsonii*.—*Zool. Journ.*, ii, No. 5, Avril, 1825, p. 65.
1826. LESSON, [R. P.] Sur un nouveau genre de la famille des Faucons; par Vigors. . . . < *Féruss. Bull.*, 2^e sect., ix, 1826, p. 91.
Naclerus rioconrii.—Extrait du *Zool. Journ.*, ii, 1825, pp. 385-387.
1829. AUDUBON, J. J. Notes on the Bird of Washington (*Falco washingtoniana*), or Great American Sea Eagle (fig. 53). < *Loudon's Mag. Nat. Hist.*, i, 1829, pp. 115-120.
1829. JOHNSON, J. Vision of Birds of Prey. < *Loudon's Mag. Nat. Hist.*, ii, 1829, p. 473.
From *Medico-Chirurgical Review*.
1829. "T. F." An Arrangement of the different Species of Falcons found in Great Britain. < *Loudon's Mag. Nat. Hist.*, i, 1829, pp. 217-221, figg. 85-90.
14 spp., under 6 sections.
1830. BENNETT, [E. T.] [*Polyborus*? *hypoleucus*, sp. n.] < *P. Z. S.*, Dec. 14, 1830, p. 13.
1830. BREHM, C. L. Die grossen Adler mit befiederten Füßen von Brehm. < *Oken's Isis*, Bd. xxiii, 1830, pp. 96-106.
Aquila fulva, *A. melanaetos*, *A. chrysaetos* "Brehm".
1830. VIGORS, N. A. *Gampsonyx* [*swainsonii*], eine neue Sippe der Falconiden. < *Oken's Isis*, Bd. xxiii, 1830, pp. 839, 840.
Aus d. *Zool. Journ.*, ii, 1825, p. 65.
1830. VIGORS, N. A. *Naclerus* [*rioconrii*], neue Sippe der Falconiden. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1042, 1043.
Uebers. d. *Zool. Journ.*, ii, 1825, p. 385.
1831. ANON. The Bald Eagle [*Haliaëtus leucocephalus*]. < *D. J. Browne's The Naturalist*, i, No. xii, Dec., 1831, pp. 359-367.
Popular account, chiefly compiled from Wilson.
1831. AUDUBON, J. J. An account of the habits of the American Goshawk (*Falco palumbarius*, Wils.). < *Edinb. Journ. Nat. Geogr. Sci.*, iii, 1831, pp. 145-147.
Not seen.
1831. BENNETT, [E. T.] [Remarks on two specimens of *Polyborus hypoleucus* which had been living in the Society's Garden.] < *Philos. Mag.*, ix, 1831, pp. 63, 64.
From *P. Z. S.*, Dec. 14, 1830, p. 13.

1831. BLACKWALL, J. On an undescribed Bird of the Family Falconidæ [*Gampsonyx holmii*]. < *Philos. Mag.*, x, 1831, pp. 264, 265.
1831. HOY, J. D. Peregrine Falcon. < *London's Mag. Nat. Hist.*, iv, 1831, pp. 146, 147.
Falco peregrinus at Thetford, England.
1832. [FRIES, B. F.] Om Jagt-Falken [F. gyrfalco]. Med planche. < *Tidsk. f. Jägare o. Naturf.*, i, 1832, pp. 352-363, med. kol. fig.
 Not seen?
1832. HOY, J. D. The White-tailed Eagle [*Haliaëtus albicilla*] breeds in Captivity. < *London's Mag. Nat. Hist.*, v, 1832, pp. 278, 279.
1832. "J. M." Great Harpy Eagle. < *London's Mag. Nat. Hist.*, v, 1832, p. 452.
 One said to have been sent from Mobile, Florida (*i. e.*, Alabama), in Sept., 1828.
1832. R[AFINESQUE], C. S. Description of a new Eagle from South America, *Aquila dicronyx* or Macarran Eagle. < *Atlantic Journ. and Friend of Knowl.*, i, No. 2, 1832, p. 63.
 From Buenos Ayres; 3 feet long, expanse 9 feet, bill 4 inches, etc. Seen living in a collection. *Thrasaëti?*—or what?
1832. SÖDERBERG, C. Ornithologiska Bidrag. < *Tidsk. f. Jägare o. Naturf.*, i, 1832, pp. 114-117, fig.
 Deser. *Haliaëti albicillæ*, ♂ juv., cum fig.
1833. HOLMSTEDT, J. Underrättelse om en tam Hafsörn [*Haliaëtus albicilla*]. < *Tidsk. f. Jägare o. Naturf.*, ii, 1833, p. 476.
1833. HOY, J. D. Observations on the Iceland and Ger Falcons (*Falco islandicus*), tending to show that these Birds are of two distinct Species. < *London's Mag. Nat. Hist.*, vi, 1833, pp. 107-110.
1834. BENNETT, [E. T.] [Ueber *Polyborus? hypoleucus*.] < *Oken's Isis*, Bd. xxvii, 1834, p. 815.
 Auszug aus *Philos. Mag.*, ix, 1831, p. 63.
1834. BLACKWALL, J. Neue Falke aus Brasilien [*Gampsonyx holmii*]. < *Oken's Isis*, Bd. xxvii, 1834, p. 830.
 Aus *Philos. Mag.*, Bd. ix, 1831, p. 264.
1834. "J. C." [Of the Forked-tail Kite. < *London's Mag. Nat. Hist.*, vii, 1834, p. 511.
 In Essex County, England.
1834. LAFRESNAYE, F. DE. Cymindis. Cymindis. Cuvier. C. bec en hameçon. C. hamatus. Illig., Temminck. (En livrée particulière avant celle de l'adulte.) < *Guér. Mag. de Zool.*, 4^e année, 1834, classe ii, notice xx, pl. xx.
1834. LAFRESNAYE, F. DE. Cymindis. Cymindis. Cuv. C. bec en croc. C. uncinatus. Tem. col. 103, 104 et 115 (En livrée jusqu'alors non décrite.) < *Guér. Mag. de Zool.*, 4^e année, classe ii, notice xxi, pl. xxi.
1834. LAFRESNAYE, F. DE. Cymindis. Cymindis. Cuvier. C. a manteau noir. Cuv.—Petit autour de Cayenne. Buff.—*Falco Cayennensis*. L. Gmel. (Dans la livrée qui précède celle de l'adulte, qui est la Buse mantelée, *Falco pallatus*, Pr. Max. Tem., col. 204; et le Cymindis busoïde, C. buteonides. Lesson, Traité, p. 55.) < *Guér. Mag. de Zool.*, 4^e année, 1834, classe ii, notice xxii, pl. xxii.
1836. ANON. A Falco [Pandion] *Haliaëtus* L. shot near Oxford. < *London's Mag. Nat. Hist.*, ix, 1836, p. 597.
1836. DENNIS, G. E. The Osprey [*Pandion haliaëtus*]. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 202, 203.
 Anecdote, from *Morning Chronicle*, Dec. 1, 1835.
1836. DUGMORE, H. [Note on *Haliaëtus albicilla* in confinement.] < *P. Z. S.*, iv, 1835, p. 49.
1836. TURNER, H. Sea Eagle (*Aquila* [*Haliaëtus*] *albicilla*). < *London's Mag. Nat. Hist.*, ix, 1836, p. 203.
 From *Bury and Suffolk Herald*, Dec. 16, 1835.

1837. BREHM, C. L. Ueber das Betragen der männlichen Raubvögel gegen ihr brütendes Weibchen und die Jungen. < *Oken's Isis*, Bd. xxx, 1837, pp. 367-374. Versammlung der Naturforscher und Aerzte zu Jena am 18. September 1836.
1837. HAMILTON, H. [Letter announcing a donation of a Chilian Eagle.] < *P. Z. S.*, v, 1837, p. 67.
1837. YARRELL, W. [Exhibition of a Quill, filled with a species of *Pediculus*, from the wing of a Harpy Eagle (*Thrasaëtus harpya*).] < *P. Z. S.*, v, 1837, p. 127.
1838. HANCOCK, J. Occurrence of *Falco Islandicus* in England. < *Annals of Nat. Hist.*, ii, 1838, p. 159.
1838. HANCOCK, J. Remarks on the Greenland and Iceland Falcons, showing that they are distinct Species. < *Annals of Nat. Hist.*, ii, 1838, pp. 241-250, pl. x. Carefully distinguishing the two. This article is usually referred to with much respect for its accuracy.
1838. ROBERTSON, C. [Letter on the capture of a Peregrine Falcon at sea.] < *P. Z. S.*, vi, 1838, p. 77.
1838. THOMPSON, W. Golden and Sea Eagle, *Aquila chrysaëtus* and A. [*Haliaëtus*] *albicilla* [in Ireland]. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, p. 164.
1838. THOMPSON, W. Bald Eagle, *Haliaëtus leucocephalus*, Savig. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, pp. 164, 165. Note of habits.
1838. TOWNSEND, T. Capture of the White-tailed Eagle, (*Falco albicilla*: Penn. Mont. *Haliaëtus albicilla*, Selby), on the Suffolk Coast, February 22nd, 1838. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, pp. 292, 293.
1839. DUGMORE, H. Capture of an Eagle [*Haliaëtus albicilla*] at Swaffham. < *Charlesw. Mag. Nat. Hist.*, iii, 1839, p. 198.
1839. HANCOCK, J. Remarks on the Greenland and Iceland Falcons. < *Rep. Brit. Assoc. Adv. Sci. for 1838*, vii, 1839 (*Misc. Comm.*), p. 106.
1839. LAFRESNAYE, [F.] DE. Nouvelle classification des oiseaux de proie ou rapaces. < *Revue Zoologique*, ii, 1839, pp. 193-196.
I^{re} fam. *Vulturidæ*; 1^{re} sousfam. *Didinæ*, 2^e *Cathartinæ*, 3^e *Vulturinæ*, 4^e *Gypaetinae*; II^e fam. *Falconidæ*, avec 7 sousfamilles; III^e fam. *Gypsoaeraniæ*.
1839. LESSON, R. P. Tableau de la famille des oiseaux Accipitres (Raptore). < *Revue Zoologique*, ii, 1839, pp. 132, 133.
I^{re} sect., *Diurnes*, 4 fam.; II^e sect., *Nocturnes*, 1 fam.
1839. WEISENBORN, W. Curious capture of a White-headed Eagle [*Haliaëtus albicilla*]. < *Charlesw. Mag. Nat. Hist.*, iii, 1839, pp. 197, 198.
1839. WIEGMANN, A. F. A. Ueber den Seeadler (*Falco* [*Haliaëtus*] *albicilla*). < *Preuss. Provinziabl.*, xxii, 1839, pp. 525-536.
Mir nicht zugänglich.
1841. BELANY, J. C. A | Treatise | upon | Falconry. | In two parts. | By | James Cockburn Belany. | [Quotations, 7 lines.] | Berwick-upon-Tweed:—printed for the author. | 1841. 1 vol. 8vo. pp. i-xii, 1-278, 1-6; frontisp.
Part First. Containing Observations upon the Nature, Antiquity, and History of Falconry, pp. 1-116.
Part Second. Containing Notices of the different Hawks used in British Hawking, the Proper Method of Keeping, Training, and Flying the Birds, the Apparatus belonging to the Art, &c., pp. 117-277.
Terms in Falconry, pp. 1-6.
1841. JAMESON, R. On the Affinities of the Falconidæ. < *Calcutta Journ. Nat. Hist.*, i, 1841, pp. 307-324. (Auch in d. *Isis*, 1843, pp. 810-812.)
Not seen.

1841. SCHLEGEL, H. Abhandlungen | aus dem | Gebiete | der Zoologie und Vergleichenden Anatomie, | von | H. Schlegel. — | 1 Heft. — | Leiden, | A. Arnz & Comp. | 1841. | Zu beziehen durch alle solide Buchhandlungen des In- und Auslandes. 1 vol. 4to. 2 p. ll., pp. 1-44, 1-12, 1-20, 1 l., pll. i-xv.

This consists of 3 separately paged articles, the first two upon *Cetacea*, the third (perhaps better citable separately) as follows: III. Beschreibung einiger neuen grossen Edelfalken, aus Europa und dem Nordlichen Afrika, pp. 1-20, pll. x-xv.—*Falco feldeggii*, p. 3, pll. x, xi, *F. tanypterus*, Licht., p. 8, pll. xii, xiii.—Fortsetzung: *F. jugger*, p. 13, pl. xv. Folgt schliesslich eine Uebersicht aller bekannten grossen Edelfalken: A. Langschwänzige Arten, 9 spp.—1. *F. candicans*, Gm.; 1a, *F. c. islandicus*; 2, *F. gyrfalco*; 3, *F. subniger*, Gr.; 4, *F. mexicanus*, Licht. M. B., p. 15, sp. n.; 5, *F. hypoleucos*, Gould; 6, *F. tanypterus*, Licht.; 7, *F. lanarius*; 7a, *F. l. alphanet*, pl. xiv; 7b, *F. l. cervicalis*, Licht. M. B., p. 17; 8, *F. saeet*; 9, *F. jugger*. B. Kurzschwänzige Arten.—1, *F. communis*; 1a, *F. c. americanus*, p. 19; 1b, *F. c. australis*, p. 19; 1c, *F. c. indicus*; 1d, *F. c. minor*; 2, *F. peregrinoides*.

1841. YARRELL, [W.] [Eine Schwungfeder vom Harpy-Eagle (*Harpyia destructor*).] < *Oken's Isis*, Bd. xxxiv, 1841, p. 942, 943.

Proc. Zool. Soc. Lond., Nov. 14, 1837, p. 127.

1842. HALDEMAN, S. S. [Proposed Changes of Nomenclature of certain Genera.] < *Proc. Acad. Nat. Sci. Phila.*, i, 1842, pp. 187, 188.

In ornithology, one only—*Anapaia*, p. 188, g. n. = *Harpyia*, Cuv., preoccupied.

1842. LAFRESNAYE, [F.] DE. Description d'un nouveau genre d'Oiseau de proie [Harpyhalietus]. < *Revue Zoologique*, v, 1842, p. 173.

1842. LESSON, [R. P.] Nouveau Genre d'Oiseau de proie [Carnifex]. < *Revue Zoologique*, v, 1842, pp. 378-380.

L'Écho du Monde Savant, 9^e année, p. 1081.

Ce n'est qu'une synonyme de *Micrastur*.

1843. EDMONSTON, T., JR. Note on the capture of the Sea Eagle (*Haliaëtus albicilla*) in Shetland. < *Zoologist*, i, 1843, pp. 36-39.

1843. HEPPESTALL, J. The Osprey, (*Pandion Haliaëtus*) [near Sheffield]. < *Zoologist*, i, 1843, pp. 14, 15.

1843. JAMESON, R. Ueber die Verwandtschaften der Falconiden. < *Oken's Isis*, Bd. xxxvi, 1843, pp. 810-812.

Calcutta Journ. Nat. Hist., 1841, p. 307.

1844. FRASER, L. [Description of three New Species of Birds.] < *P. Z. S.*, Feb. 27, 1844, pp. 37, 38.

Among them "*Lagopus*" *ferrugineus*, p. 37 = *Archibuteo ferrugineus* (Licht.) from Mexico. Very curiously, the two authors here concerned independently selected the same name for the species. Lichtenstein has priority, having described his bird as *Falco (Buteo) ferrugineus* from California in 1839 (*Abhandl. Berlin. Akad. aus d. Jahre* 1838, p. 428.)

1844. FRASER, L. [On three lately new Species of Birds.] < *Ann. Mag. Nat. Hist.*, xiv, 1844, pp. 452, 453.

Lagopus ferrugineus, *Psittacus Timneh*, *Phyltolophus citrino-eristatus*. From *P. Z. S.*, Feb. 27, 1844, pp. 37, 38, q. v.

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1844. GRAY, G. R. [List of Birds in the British Museum. Part I.—Raptores. London: 1844.]

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1844. HARDY, J. Quelques observations sur le Faucon pèlerin, *Falco peregrinus*, Linn., faites dans l'arrondissement de Dieppe. < *Revue Zoologique*, vii, 1844, pp. 289-291.

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1844. MANSELL, T. Occurrence of the Osprey [*Pandion haliaëtus*] near Farnham. < *Zoologist*, ii, 1844, p. 443.
1844. NEWTON, A. Note on the occurrence of the Sea Eagle [*Haliaëtus albipectus*] at Elden, near Thetford. < *Zoologist*, ii, 1844, p. 443.
1844. NORMAN, G. Note on the occurrence of the Rough-legged Buzzard [*Archibuteo lagopus*] at Hull. < *Zoologist*, ii, 1844, p. 491.
1845. BARLOW, J. W. Occurrence of the Golden Eagle [*Aquila chrysaëtus*] in Cheshire. < *Zoologist*, iii, 1845, p. 1022.
1845. BOLD, T. J. Occurrence of the Iceland Falcon [*Falco islandicus*] and Rough-legged Buzzard [*Archibuteo lagopus*] in Northumberland. < *Zoologist*, iii, 1845, p. 935.
With quotation of more detailed statements from *Morning Chronicle*, Feb. 6, 1845.
1845. DES MURS, O. Notice sur le genre Aigle *Aquila*. < *Revue Zoologique*, viii, 1845, pp. 271-274.
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1845. GURNEY, J. H. The supposed Chanting Falcon [= *Circus cyaneus*]. < *Zoologist*, iii, 1845, p. 1022.
1845. KAUP, J. J. Ueber Falken. Mit besonderer Berücksichtigung der im Museum der Senckenbergischen naturforschenden Gesellschaft aufgestellten Arten. < *Mus. Senckenb.*, Bd. iii, Heft iii, 1845, pp. 229-262.
This article, which I have not seen, appears to be the first of several by this author on the same subject; it is noticed in *Isis*, 1846, pp. 315, 316, and may be regarded as the forerunner of the „Monographien der Genera der Falconidæ“ in *Isis*, 1847, pp. 39-80, 83-121, 161-212, 241-283, 325-386, 954, 955; 1848, pp. 772-774; „Monograph of the *Falconidæ*“ in *Jard. Contr. Orn.*, 1849, pp. 68-121; 1850, pp. 51-80; and „Corrigirte Uebersicht der *Falconidæ*“, in *Arch. f. Naturg.*, 1850, (i), pp. 27-41; *qq. vv.*—In the course of these several publications many new names are proposed, conferring some vitality upon a set of papers which would otherwise be only consulted now from motives of curiosity by one desiring to know to what lengths the quinnian craze may carry its victims. I give these new names, or many of them, under head of the *Isis* article, 1847-48, *q. v.* See also same author at 1849-50, and 1850.
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From Kentish Gazette, Mar. 18, 1845.
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Sur les genres *Aviceda* (Swamson), *Lophotes* (Lesson), *Lépidogenys* (Gould), et sur deux nouvelles espèces du genre *Aviceda*; *A. verreauxii*, p. 130; *A. butcoides*, p. 133.

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1847. ANON. Occurrence of the Golden Eagle [*Aquila chrysaëtus*] near Hungerford. < *Zoologist*, v, 1847, p. 1695.
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1847. CASSIN, J. Description of a new rapacious Bird in the Museum of the Academy of Natural Sciences of Philadelphia. < *Am. Journ. Sci.*, iv, 1847, pp. 285, 286.
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Cymindis wilsonii, figured. Cf. *Proc. Acad. Nat. Sci. Phila.*, Apr., 1847, p. 199.
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S. spixii, sp. n. propos., p. 325.
- 1847-48. KAUP, J. J. Monographien der Genera der Falconidae. < *Oken's Isis*, Bd. xl, 1847, pp. 39-80, pll. i, ii; pp. 83-121, 161-212, 241-283, 325-386, 954, 955; xli, 1848, pp. 772-774.
Subfam. I. *Falconinae*—*Hierax*, *Tinnunculus*, *Harpagus*, *Falco*, *Jeracidea*. II. *Milvinae*—*Ictinia*, *Nauclerus*, *Circus*, *Elanus*, *Milvus*. III. *Accipitrinae*—*Spizaetus*, *Nisus*, *Geranospiza*, *Aster*, *Asturina*. IV. *Aquilinae*—*Aquila*, *Heliotarsus*, *Circæus*, *Pandion*, *Haliaëtus*. V. *Buteoninae*—*Buteo*, *Pernis*, *Polyborus*, *Rostrhamus*, *Ibister* [sic].
Polihierax, p. 47; *Poecilornis* (Kaup, 1843), p. 49; *Tichornis* (Kaup, 1843), p. 51; *Æsalon*, p. 59; *Gennaia* (Kaup, 1845), p. 69; *Poecilopteryx*, p. 86; *Glaucopteryx*, p. 99; *Spilocircus*, p. 101; *Spizacircus*, p. 103; *Lophoictinia* (1845), p. 113; *Hydroictinia*, p. 114; *Gypoictinia*, p. 114; *Lophæetus*, p. 165; *Spizaetus*, p. 165; *Pternura*, p. 168; *Hieraspiza*, p. 169; *Tachyspiza*, p. 172; *Scelopspiza*, p. 173; *Urospiza*, p. 180; *Geranospiza* (1846), p. 183; *Lophospiza* (1843), p. 187; *Leucospiza* (1843), p. 197; *Leucopternis*, p. 210; *Hieraetus*, p. 243; *Pteroaetus*, p. 245; *Onychæetus* (1843), p. 245; *Uroaetus*, p. 252; *Circaetus*, 256; *Ictinoæetus* (1843), p. 275; *Heteroaetus*, p. 278; *Pontæetus*, p. 279; *Thalassæetus*, p. 283; *Tachytriorchis*, p. 328; *Poecilopternis*, p. 329; *Ichthyoborus*, p. 333; *Regerhinus*, p. 344; *Odontriorchis*, p. 346; *Ætotriorchis*, p. 358, are some of Kaup's new or lately new genera. See same author at 1845, 1849-50, and 1850.
Nachträge und kritische Uebersichten der vorhandenen Synopsen, pp. 360-363, über *Falco concolor* und *F. leonora*.—Systemat. Uebersicht, pp. 363-374. Uebersicht der Arten Azara's, pp. 374-376. Revision der von Vieillot in der *Ency. Méth.* aufgezählten *Falconidæ*, pp. 376-383. Erklärung der Abbild., pp. 384-386. Nachträge und Correctionen, pp. 954, 955. Zusätze (1848), pp. 772-774.
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Orig. ed. 1844. This is the list of the *Accipitres*, 2d ed., giving an extensive synonymy of each species and genus, and the localities whence were derived the specimens in the British Museum; being one of the several partial lists, or lists of particular groups, which preceded and led up to the same author's famous *Hand List*.
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1849. HULKE, J. W. White-tailed Eagle [Haliaëtus albicilla] at Deal. < *Zoologist*, vii, 1849, p. 2409.
- 1849-50. KAUP, [J. J.] Monograph of the Falconidæ, Systematically arranged by Dr. T. T. [sic] Kaup. < *Jard. Contrib. Ornith.*, 1849, pp. 68-121; 1850, pp. 51-80.
"Dr. Kaup has sent us his Monograph of the Falconidæ, translated by himself from that Journal [*Oken's Isis*] of 1847, as improved in 1848."—*Editor*. The first article is occupied with classificatory speculations of the most general character, relating not only to the present subject but to birds in general; in the second portion of the paper the family is systematically treated on the quinary plan, and elaborated down to species. There is nothing to show whether various of the author's generic terms are really new in this paper, or whether they had already been in print in the *Isis* or elsewhere. The latter is doubtless the case.—See this author at 1845, 1849-50, and 1850.
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Very entertaining narrative of his sport in India, well written, and of excellent authority. The writer is "convinced that the race of round or short-winged hawks has been unduly depreciated, and that by selecting good birds and by careful training, excellent sport is to be got out of them"—as one would readily believe, from seeing Wolf's spirited "Goshawk and Gazelle", or reading the author's "A Day with the Shahbaz." Cf. *Zool.*, 1852, pp. 3569-3576.
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F. lanarius, *F. communis*, *F. peregrinoides*, *F. eleonoræ*, *F. concolor*, *F. ardesiacus*.
1855. KJÄRBÖLLING, [N.] Ueber die hochnordischen Edelfalken. < *Naumannia*, v, 1855, pp. 489-493.
Falco groenlandicus, *F. islandicus*, *F. gyrfalco*.
1855. KNEELAND, S., JR. [Remarks on exhibition of a Golden or Ring-tailed Eagle (*Aquila chrysaëtus*).] < *Proc. Bost. Soc. Nat. Hist.*, v, 1855, pp. 272, 273.

1855. PÄSSLER, W. Bemerkenswerthes in Bezug auf die Färbung der Raubvögel-Eier. < *J. f. O.*, iii, 1855, pp. 209-214.
„1) Ein und dasselbe Weibchen legt stets ähnliche, ja, ich möchte sagen, gleich gefärbte Eier; und 2) Abänderungen, welche man bei einer Art findet, trifft man auch bei anderen Arten.“
1855. SCHLEGEL, H. [An der Frage über die Falken, besonders die Edelfalken.] < *Naumannia*, v, 1855, pp. 251-254.
„Das Verzeichniss aller mir bekannten Arten“—40 spp.
1855. STRICKLAND, H. E. Ornithological Synonyms. | By the late Hugh Edwin Strickland, M. A., | F. R. S., F. R. G. S., F. G. S., | Deputy Reader in Geology in the University of Oxford, etc. | — | Edited by Mrs. Hugh E. Strickland | and | Sir W. Jardine, Bart., F. R. S. E., L. S., &c. | — | Vol. I. | *Accipitres*. | London: | John Van Voorst, Paternoster Row. | MDCCCLV. 1 vol. 8vo. pp. xlvii, 222.
An extensive but far from complete synonymy of 370 + 3 spp., not entirely free from inaccuracies, but prepared with great care, and of great practical utility. The list of works quoted in the introduction is a convenient index to research. No second volume has appeared.
1855. WALLENGREN, G. D. J. [Ueber *Falco gyrfalco*, *islandicus*, und *candicans*.] < *Naumannia*, v, 1855, pp. 247-249.
1856. BREHM, [C. L.] [Einige Worte über die eigentlich europäischen Wanderfalken.] < *Naumannia*, vi, 1856, pp. 326-332.
I. Aechte Wanderfalken: 1. *F. peregrinus cornicum*, *F. per. abietinus*, *F. per. griseiventris*, *F. per. leucogenys*, p. 227; *F. per. orientalis*, subsp. nn. 2. *F. barbarus*. II. Unächte Wanderfalken: 1. *F. cervicidis*, Mus. Berol., *F. biarmicus* Nob., p. 330; *F. tanypterus* Brm., p. 331.
1856. BREWER, T. M. [Observations on the California Red-tailed Hawk (*Buteo montanus*).] < *Proc. Bost. Soc. Nat. Hist.*, v, 1856, pp. 385, 386.
1856. COOKE, M. C. Occurrence of the Peregrine Falcon [*Falco communis*] near Norwich. < *Zoologist*, xiv, 1856, p. 5058.
- 1856-57. MÜLLER, J. W. v. Der Jagdfalke und die Falkenbaize. < *J. f. O.*, iv, 1856, pp. 497-502; v, 1857, pp. 169-174.
I. *F. candicans*. II. Die Falkenbaize.
1856. STEVENSON, H. Occurrence of the Sea Eagle (*Haliaëtus albicilla*) in Norfolk. < *Zoologist*, xiv, 1856, p. 4946.
1856. URBAN, W. S. M. D'. Occurrence of the Whitetailed Eagle (*Falco* [*Haliaëtus*] *albicilla*) in Devonshire. < *Zoologist*, xiv, 1856, p. 5096.
1856. VERREAUX, J. Note sur un Nouveau Genre [Urnbitornis, de la Nouvelle Grenade] des Oiseaux de Proie. < *P. Z. S.*, xxiv, 1856, pp. 145, 146.
1857. BARRON, C. Occurrence of the Whitetailed Eagle [*Haliaëtus albicilla*] near Haslar. < *Zoologist*, xv, 1857, p. 5426.
1857. BLASIUS, J. H. Aphorismen über Falken. < *Naumannia*, vii, 1857, pp. 223-264.
Sehr vollständig.
1857. BLASIUS, J. H. Ueber die Wichen Europa's. < *Naumannia*, vii, 1857, pp. 307-324.
Behandelt *Circus aeruginosus*, *C. cyaneus*, *C. pallidus*, *C. cineraceus*—4 Arten.
1857. CASSIN, J. Notes on the North American species of *Archibuteo* and *Lanius*, and description of a new species of *Toncan*, of the genus *Selenidera*, Gould. < *Proc. Acad. Nat. Sci. Phila.*, ix, 1855, pp. 211-214.
The author recognizes 3 species of the genus *Archibuteo*, one of them being the previously little-known *A. ferrugineus* (Licht.).
1857. ERHARD, Dr. [Aquila fulva beim Horste, u. s. w.] < *Naumannia*, vii, 1857, Hft. i, pp. 87, 89.
1857. G[RAYSON], A. J. The white breasted Squirrel Hawk.—(*Buteo californica* [sp. n.].) < *Hutchings's California Magazine*, Mar., 1857, pp. 393-396, fig.
Described as a new species under the above name. It is the *Archibuteo ferrugineus* (Licht.) or the *Lagopus ferruginus*, Fraser. The article is mainly devoted to the habits of the bird, but also gives a recognizable description and figure.

1857. MIDDENDORFF, [A. T.] v. [Falco peregrinus auf ebener Erde horstend.] < *Naumannia*, vii, Heft ii, 1857, p. 181.
1858. BREHM, A. E. Die Geieradler und ihr Leben. < *Mittheil. aus der Werkstätte der Natur*, 1^{es} u. 2^{tes} Heft, 1858.
Nicht mir selbst zugänglich.—, In instructives und anziehender Weise schildert A. Brehm, die Geieradler und ihr Leben; . . . Die Subspecies werden gut beschrieben.“ (Hartl.)
1858. CASSIN, J. [Occurrence of Falco polyagrus at Rock Island, Illinois, east of the Mississippi River.] < *Proc. Acad. Nat. Sci. Phila.*, x, 1858, p. 1.
1858. HOCKER, J. Ueber den Standort des Horstes der Kornweihe (*Circus cyaneus*). < *Naumannia*, viii, 1858, pp. 505, 506.
1858. JÄGER, C. Aquila [*Haliaëtus*] albicilla in der Wetterau. < *Naumannia*, viii, 1858, pp. 507, 508.
1858. PELZELN, A. v. Ueber Gold- und Steinadler. < *Verh. d. zool.-bot. Ver. Wien*, viii, 1858, pp. — —, Taf. i.
Pl. i, *Aquila chrysaëtos*, Pall.
1858. RICHARDSON, J. Occurrence of the Peregrine Falcon [*Falco peregrinus*] in Yorkshire. < *Zoologist*, xvi, 1858, p. 6058.
1858. SCHNELL, F. H. Der Taubenhabicht. Eine monographische Schilderung seines Lebens in der Vogelwelt. < *Jahrb. d. Vereins für Naturk. im Herzogth. Nassau*, Nr. 12, pp. 342–356.
Nicht mir selbst zugänglich.
1858. SCLATER, P. L. On some New or little-known Species of Accipitres, in the collection of the Norwich Museum. < *P. Z. S.*, xxvi, 1858, pp. 128–133.
Buteo zonocercus, p. 130; *Syrnium albitarse*, Gray, p. 131; *Scops usta*, p. 132, spp. nn. Figured, *Tr. Z. S.*, 1859, q. v. Lists of spp. of *Urubitinga*, *Syrnium*, and *Scops*.
1858. SCLATER, P. L. Note on the Variation of the Form of the Upper Mandible in a Rapacious Bird [*Urubitinga uncinata*]. < *P. Z. S.*, xxvi, 1858, p. 150, woodcc.
1858. SCLATER, P. L. Description of a new Species of the Genus Buteo [*fuliginosus*] from Mexico. < *P. Z. S.*, xxvi, 1858, p. 356.
1858. SCLATER, P. L. On some New or little-known species of Accipitres, in the Collection of the Norwich Museum. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, pp. 225–229.
From *P. Z. S.*, Mar. 9, 1858, pp. 128–133, q. v.
1858. SCLATER, P. L. On the Variation of the Form of the Upper Mandible in a Rapacious Bird. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, pp. 163, figg. 2.
From *P. Z. S.*, Mar. 23, 1858, p. 150.
1859. CREWE, H. R. Occurrence of the Peregrine Falcon (*Falco peregrinus*) in Derbyshire. < *Zoologist*, xvii, 1859, p. 6779.
1859. GOULD, J. [Exhibition of all the known Species of the genus Elanus, with description of a New Species (*E. hypoleucus*).] < *P. Z. S.*, xxvii, 1859, pp. 126, 127.
1859. HINCKS, W. The Family of Falconidæ. < *Canad. Journ.*, iv, Nov., 1859, pp. 443–449.
15 Canadian spp.
1859. SCLATER, P. L. Description of a new Species of the Genus Buteo [*fuliginosus*] from Mexico. < *Ann. Mag. Nat. Hist.*, 3d ser., iii, 1859, p. 78.
From *P. Z. S.*, July 13, 1858, p. 356.
1859. SCLATER, P. L. On some New or little-known Species of Accipitres in the Collection of the Norwich Museum. < *Trans. Zool. Soc.*, iv, pt. vi, 1859, pp. 261–266, pll. 59–61.
Descr. orig. *P. Z. S.*, 1858, pp. 128–133, the species being here figured in colors.—Pl. 59, *Buteo zonocercus*; pl. 60, *Syrnium albitarse*; pl. 61, *Scops usta*.
1859. SCLATER, P. L. Description of a New Species of the genus Buteo (*B. fuliginosus*) from Mexico. < *Trans. Zool. Soc. Lond.*, iv, pt. vi, 1859, p. 267, pl. 62.
Descr. orig. *P. Z. S.*, 1858, p. 356.

1859. STEVENSON, H. A Peregrine Falcon (*Falco peregrinus*) killed by the Telegraph-wires. < *Zoologist*, xvii, 1859, p. 6779.
1860. CREWE, H. H. Occurrence of the Osprey (*Falco* [Pandion] *haliaëtus*) in Derbyshire. < *Zoologist*, xviii, 1860, p. 6889.
1860. DUTTON, J. Whitetailed Eagle (*Falco* [Haliaëtus] *albicilla*) near Eastbourne. < *Zoologist*, xviii, 1860, pp. 6888, 6889.
1860. DUTTON, J. Peregrine Falcon (*Falco peregrinus*) near Eastbourne. < *Zoologist*, xviii, 1860, p. 6889.
1860. EDITORIAL. [J. Cassin's Remarks on *Ictinia*, with editorial comment.] < *Ibis*, ii, 1860, pp. 103, 104.
1860. GLOGER, C. W. L. Die grössere Länge der Schwung- und Schwanzfedern bei den jungen Adlern [u. s. w.]. < *J. f. O.*, viii, 1860, pp. 209-211.
Aquila, Haliaëtus.
1860. GLOGER, C. W. L. Der Seeadler [*Haliaëtus albicilla*] auf dem Wasser. < *J. f. O.*, viii, 1860, pp. 470, 471.
Nilsa. Sk. Fv. Fog., i, p. 61.
1860. OWEN, ROBERT. On the Habits of the Swallow-tailed Kite (*Elanoides furcatus*) in Guatemala. < *Ibis*, ii, 1860, pp. 240-243.
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1860. SCLATER, P. L. On an undescribed Species of Hawk [*Accipiter collaris*, Kaup, *Mus. Brit.*] from New Granada. < *Ibis*, ii, 1860, pp. 147-149, pl. vi.
1860. SCLATER, P. L. On the Eggs of Two Raptorial Birds from the Falkland Islands. < *Ibis*, ii, 1860, pp. 24-28, pl. i.
Pl. i, fig. 1, *Milvago australis*; fig. 2, *Cathartes* sp., wrongly identified as *Milvago australis*; fig. 3, *Buteo erythronotus*.
1860. TAYLOR, J. Note on *Falco Islandicus* and *F. Grœnlandicus*. < *Rep. Brit. Assoc. Adv. Sci. for 1859, 1860 (Misc. Comm.)*, p. 158.
Confirming J. Hancock's determination.
1860. WILSON, W. Occurrence of the Roughlegged Buzzard (*Falco* [Archibuteo] *lagopus*) at King's Lynn. < *Zoologist*, xviii, 1860, p. 6889.
1861. BRYANT, H. Remarks on the variations of plumage in *Buteo borealis*, Anet., and *Buteo harlani*, Aud.? < *Proc. Bost. Soc. Nat. Hist.*, viii, 1861, pp. 107-119.
Extended description and criticism of the various current nominal species, which are to be reduced to one or the other of these two. But the "*Buteo harlani* Aud.?" of this paper is not of Aud., being *B. swainsoni* Bp. Cf. *Ibis*, 1862, pp. 184, 185.
1861. SCLATER, P. L. Note on *Milvago carunculatus* and its allied species. < *Ibis*, iii, 1861, pp. 19-23, pl. i.
Full description from Des Murs' mss. ined., with critical observations on the genus.
1861. SCLATER, P. L. On a rare Species of Hawk, of the Genus *Accipiter* [pectoralis] from South America. < *Ibis*, iii, 1861, pp. 313, 314, pl. x.
1861. NORDMANN, A. V. *Aquila Fulva* L. (Goldadler) im Gefecht. < *Zool. Gart.*, ii, 1861, p. 68.
Bull. Soc. Imp. Natur. Moscou, 1860, p. 7.
1861. ORDE, J. W. P. [Letter on the breeding of *Aquila chrysaëtus* in a fir-tree in Perthshire.] < *Ibis*, iii, 1861, pp. 112, 113.
1861. ORDE, J. W. P. [Note on an *Hierofalco* shot Oct., 1860, on North Uist.] < *Ibis*, iii, 1861, p. 415.
1862. BLASIUS, J. H. Über die nordischen Jagdfalken [*Hierofalco*]. < *J. f. O.*, x, 1862, pp. 43-59.
An elaborate examination of the question, with extended descriptions of various forms.

1862. CHENU, J. C., and DES MURS, O. La | Fauconnerie | Ancienne et Moderne | par | J. C. Chenu et O. Des Murs | — | Supplément au tome deuxième | des | Leçons Élémentaires sur l'Histoire Naturelle des Oiseaux | [Dessin.] | Paris | Librairie L. Hachette et Cie | 77, Rue Saint-Germain, 77 | — | 1862. 1 vol. in-12°. faux-titre, titre, et pp. 1-176, figg. 1-45, + 7; exemplaires en couleur ou en noir.
Aperçu historique, p. 1—Description des Faucons, p. 47, figg. 7-21—Éducation des Oiseaux de vol, p. 79—Observations sur le vol des Oiseaux, p. 131—Liste alphabétique des termes de Fauconnerie, p. 151.
1862. PELZELN, A. V. [On the habitat of *Accipiter pectoralis* (Brazil).] < *Ibis*, iv, 1862, p. 194.
- 1862-63. PELZELN, A. V. Uebersicht der Geier und Falken der kaiserlichen ornithologischen Sammlung. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xii, 1862, Abth. ii, pp. 123-192; xiii, 1863, pp. 585-636.
Enthaltend das systematische Verzeichniss der in der Kaiserl. Ornith. Samml. aufbewahrten *Vulturidæ*, *Cathartidæ* und *Falconidæ*. Der Uebersicht ist im Allgemeinen das von G. R. Gray (in: *G. of B.* und *List of G. of B.*, 1855) System zu Grunde gelegt, ohne jedoch einzelne Abänderungen auszuschliessen. Am Schlusse hat der Verf. die reichen und werthvollen von Natterer während seiner Reise gemachten und in dem Cataloge (msc.) seiner brasilischen Sammlung enthaltenen Notizen über die von ihm gesammelten Arten der hier besprochenen Gruppen zusammengestellt.—*Handschriftliche Notizen* von J. Natterer, pp. 171-191 (1862), 631-636 (1863).—Cf. *Ibis*, 1864, p. 123.
1862. ROBERTS, A. Occurrence of the Golden Eagle [*Aquila chrysaëtus*] near Driffield. < *Zoologist*, xx, 1862, p. 7880.
1862. SAVILLE, S. P. Occurrence of the Peregrine Falcon [*Falco peregrinus*] in Cambridgeshire. < *Zoologist*, xx, 1862, p. 7843.
1862. SCHLEGEL, H. Falcones < *Mus. Hist. Nat. Pays-Bas*, 1^{re} livr. Août 1862, pp. 1-36.
Treats of 35 spp. and several subsp., all referred to the genus *Falco*; constituting a synonymic and descriptive catalogue of the 337 specimens of *Falconinæ* in the Leyden Museum.
1862. SCHLEGEL, H. Aquilæ < *Mus. Hist. Nat. Pays-Bas*, 1^{re} livr., Sept., 1862, pp. 1-24
Treats of 20 species of "Eagles", namely: 8 referred to the genus *Aquila*, 11 to *Haliaëtus*, and 1 to *Pandion*; representing a synonymic descriptive list of the 182 specimens contained in the Leyden Museum.
1862. SCHLEGEL, H. Astures < *Mus. Hist. Nat. Pays-Bas*, 1^{re} livr., Sept., 1862, pp. 1-58.
The "Astures" of this author include *Gypogeranus*, which remarkable form is ranged in the genus *Astur* itself!—a piece of "conservatism" so extreme as to be justly reprehensible, and to tend to bring the author's faculty of discernment into discredit—unless, indeed, he intended by such course to satirize some of his contemporaries. Fifty-five species are treated, of the three genera *Spizaëtus* (9), *Astur* (18), and *Nisus* (27).—*Nisus verreauxii*, p. 37, sp. n.
1862. SCHLEGEL, H. Asturinae < *Mus. Hist. Nat. Pays-Bas*, 1^{re} livr., Sept., 1862, pp. 1-14.
Treating of 15 spp. of one genus, *Asturina*, represented by 52 specimens in the Leyden Museum.
- 1862-63. SCHLEGEL, H. Buteones < *Mus. Hist. Nat. Pays-Bas*, 1^{re} livr., Août 1862, pp. 1-4; 2^e livr., 1863, pp. 5-30.
Whole article dated Aug., 1862, and pp. 1-4 pub. that year; pp. 5-30, in livr. 2, not pub. as a whole till 1863, though the loose signatures may have been out in 1862. The "*Buteones*", 31 in number, are referred to the 2 genera *Buteo* (23) and *Circæus* (8). A descriptive and synonymic list of 193 specimens in the Leyden Museum.—*Buteo cabanisii*, p. 11, sp. n.? *Circæus bacha elcbensis*, p. 27, sp. n.? The series of articles on the Raptores continues in the 2^e livr., 1863; and there is a general review of the whole subject, of date 1873.
1862. SCLATER, P. L. Note on *Falco circumcinctus* [P. Z. S. 1851, 42], a rare Bird of Prey from South America. < *Ibis*, iv, 1862, pp. 23-25, pl. ii.
Cf. *Falco punctipennis*, Burm., *J. f. O.*, 1860, p. 242.
1863. ALLIS, T. H. The Osprey [*Pandion haliaëtus*] near Bury St. Edmunds. < *Zoologist*, xxi, 1863, pp. 8677, 8678.
1863. BAKER, J. Osprey [*Pandion haliaëtus*] in Cambridgeshire. < *Zoologist*, xxi, 1863, p. 8813.
1863. BAKER, J. Marsh [*Circus æruginosus*] and Montagu's [*Circus cineraceus*] Harriers in Norfolk. < *Zoologist*, xxi, 1863, p. 8765.

1363. BLAKE-KNOX, H. Marsh Harrier [*Circus æruginosus*], Peregrine Falcon [*F. peregrinus*], Iceland Falcon [*F. grœnlandicus*, see Zool. 8678], &c., in Ireland. < *Zoologist*, xxi, 1863, p. 8523.
Notice, also, of *Falco œsalon* and *Alca alle*.
1363. BOBINUS, Dr. [Tuberculose bei Raubvögeln, n. s. w.] < *Zool. Gart.*, iv, 1863, pp. 68-71.
1363. BOULTON, W. W. The Roughlegged Buzzard (*Falco* [*Archibuteo*] *lagopus*) in Yorkshire. < *Zoologist*, xxi, 1863, p. 8441.
1363. DUTTON, J. Hen Harrier (*Falco* [*Circus*] *cyaneus*) at Eastbourne. < *Zoologist*, xxi, 1863, p. 8484.
1363. KENT, R. The Roughlegged Buzzard (*Falco* [*Archibuteo*] *lagopus*) and Hen Harrier (*Falco* [*Circus*] *cyaneus*) at Ashburnham Park. < *Zoologist*, xxi, 1863, p. 8442.
1363. HARTING, J. E. Peregrine Falcon (*Falco peregrinus*) at Haverfordwest. < *Zoologist*, xxi, 1863, p. 8523.
1363. HARTING, J. E. The Osprey [*Pandion haliaëtus*] near Uxbridge. < *Zoologist*, xxi, 1863, p. 8813.
1363. HOMEYER, A. v. Kampf eines Seeadlers [*Haliaëtus albicilla*] mit einem Fuchse. Mit Zusatz von Dr. Gloger. < *J. f. O.*, xi, 1863, pp. 155-159.
1363. MAXIMILIAN, PRINZ VON WIED. Ueber das vollkommene Gefieder des *Morphnus guianensis*. < *J. f. O.*, xi, 1863, pp. 1-3.
1363. PELZELN, A. v. Ueber die Färbung des *Morphnus guianensis* (Daud.) und *M. Harpyia* (L.). < *J. f. O.*, xi, 1863, pp. 121-132.
1363. RODD, E. H. Occurrence of the Osprey [*Pandion haliaëtus*] near Hayle. < *Zoologist*, xxi, 1863, p. 8841.
1363. RODD, E. H. Marsh Harrier [*Circus æruginosus*] in the Scilly Isles. < *Zoologist*, xxi, 1863, p. 8841.
1363. SAVILLE, S. P. Roughlegged Buzzard (*Falco* [*Archibuteo*] *lagopus*) in Cambridgeshire. < *Zoologist*, xxi, 1863, p. 8441.
1363. SANBY, H. L. Iceland Falcon (*Falco islandicus*) in Shetland. < *Zoologist*, xxi, 1863, p. 8484.
1363. SANBY, H. L. The Osprey [*Pandion haliaëtus*] in Shetland. < *Zoologist*, xxi, 1863, p. 8677.
1363. SCHLEGEL, H. *Milvi* < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., Oct., 1862, pp. 1-12, (Pub. 1863.)
This monograph is dated Oct., 1862, and the sheet may have been out that year, but the livr. was not pub. as a whole until 1863.
Milvus (6), *Elanoides* (2), *Elanus* (6), *Ictinia* (2) = 16 spp., represented by 79 specimens, a list of which is given, with synonymy and description. *Elanus intermedius*, p. 7, sp. n.
1363. SCHLEGEL, H. *Pernis* < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., Nov., 1862, pp. 1-10, (Pub. 1863.)
Mém. dated Nov., 1862, and the sheet may have been out that year; but this livraison not pub. as a whole until 1863. Treats of *Pernis* (2), *Baza* (4), *Macheirhamphus* (1), *Oymindis* (2) = 9 spp., represented in the Leyden Museum by 43 specimens.
1363. SCHLEGEL, H. *Polybori* < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., Nov., 1862, pp. 1-10, (Pub. 1863.)
This memoir is dated Nov., 1862, and may have been out that year; but the livraison containing it was not pub. till 1863. Treats of 5 spp. of *Polyborus* and 4 of *Ibictor* (sic), represented by 28 specimens in the Leyden Museum.

1863. SCHLEGEL, H. Vultures < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., Nov., 1862, pp. 1-12.
 Article dated Nov., 1862, and may have been out that year, but the livr. not pub. till 1863.
 The "Vultures" of the author, whose classificatory instincts are anachronistic, tending always to retrogression, include the very distinct group of *Cathartidae* with the Old World Vulturines.—There are here treated 6 spp. of *Cathartidae* in the single genus *Cathartes*, with 2 of *Neophron*, 6 (including several subsp.) of *Vultur*, and 1 (with a subsp.) of *Gypaëtus*; represented by 94 specimens in the Leyden Museum.
1863. SCHLEGEL, H. Circi < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., Dec., 1862, pp. 1-12. (Pub. 1863.)
 The article is dated Dec., 1862, and the signature (13) may have been distributed that year; but the livr. was not pub. till 1863.
 It treats of eleven spp. and one subsp. of the genus *Circus*, represented by 118 specimens in the Leyden Museum, being a synonymatic and descriptive list thereof.
1863. [SCHLEGEL, H.] Aves Rapaces. Résumé Général. 31 Décembre 1862. < *Mus. Hist. Nat. Pays-Bas*, 2^e livr., 1863, 1 feuille.
 A large loose folded sheet, not paged, issued with livr. 2^e, giving a tabular view of the author's system of classification of the *Rapaces*, according to which the several articles are recommended to be bound, viz: *Oti* (No. 11), *Striges* (No. 12), *Falcones* (No. 2), *Circi* (No. 13), *Aquilæ* (No. 3), *Asturæ* (No. 4), *Asturineæ* (No. 5), *Buteones* (No. 6), *Milvi* (No. 7), *Pernes* (No. 8), *Polybori* (No. 9), *Vultures* (No. 10).—Also noting additions to the collection, bringing the total of species to 333, of specimens to 2,002.
1863. SCLATER, P. L. Note on the Occurrence of the European Sea-Eagle [*Haliaëtus albicilla*] in North America. < *P. Z. S.*, xxxi, 1863, pp. 251-253.
 But cf. *P. Z. S.*, 1865, p. 731.
1863. STEVENSON, H. The Roughlegged Buzzard (*Buteo* [Archibuteo] lagopus) on the Norfolk Coast. < *Zoologist*, xxi, 1863, p. 8325.
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- Mr. Gurney's high name as an authority on Birds of Prey, and his accomplishments as a writer, render anything he has to say upon this subject important and interesting.
- Lists of 157 specimens, as well as 30 species, are given, with very full particulars on geographical distribution, food, nidification, general habits, colors of soft parts, etc.—constituting a treatise, rather than a catalogue, of the highest authority. Cf. *Ibis*, 2d ser., i, 1865, p. 99.
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- This work has been recognized as extremely accurate and reliable, the greatest possible pains having been taken to secure these results by the distinguished editor, who moreover based his work upon the collections and field-notes of one of the most conscientious and laborious of naturalists, and an oölogist of large experience. The Catalogue enters upon great detail in describing and illustrating the large series of the eggs of *Accipitres* collected by Mr. Wolley, and in presenting the record of his experiences in the field. There are treated no fewer than 55 species of the Western Palearctic region, with many colored figures of eggs, and views of the nests, &c. Pl. I, *Neophron percnopterus*; II-IV, *Aquila chrysaëtus*; V, VI, *Pandion haliaëtus*; VIII, *Falco gyrfalco*; IX, figs. 1-4, *Nyctale tengmalmi*; 5-8, *Surnia ulula*; 9-12, *Syrnium lapponicum*.
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- " . . . enceto agora a publicação dos catalogos das collecções zoologicas do museu de Lisboa. Os primeiros que se pôde levar à conclusão comprehendem duas ordens de aves, os *Psittacideos* ou *papagaios* e as *Aves de rapina*. Estes catalogos foram redigidos pelo sr. José Augusto de Sousa. . . Os *Psittacideos* constam de 204 especies e as *Aves de rapina* [pp. 29-62] de 223." Cf. *Ibis*, 1870, pp. 134, 135.
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The classification is based chiefly on the characters afforded by the structure of the "superciliary process of the lachrymal bone," whether rudimentary and not visible from the outside, or whether developing a superciliary shield. The author later very materially modified his views, upon further consideration of the general osteological structure of the family (cf. *Bull. U. S. Geol. and Geogr. Surv.*, 2d ser., No. 4, June 10, 1875, pp. 225-231, pll. xi-xviii).
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1871. RODD, E. H. Marsh Harrier [*Circus æruginosus*] at St. Mary's, Scilly. < *Zoologist*, 2d ser., vi, 1871, p. 2847.
1871. SAUNDERS, H. [Exhibition of, and Remarks upon, a series of Birds of the genus Aquila.] < *P. Z. S.*, xxxvix, 1871, pp. 37-39.
1871. SMITH, C. Marsh Harrier [*Circus æruginosus*] in Somersetshire. < *Zoologist*, 2d ser., vi, 1871, pp. 2866, 2867.
1871. STEARNS, W. A. The Pigeon Hawk. Correction [of misstatement made by writer, *op. cit.*, iv, p. 439, the species being *F. sparverius*, not *F. columbarius*]. < *Am. Nat.*, v, 1871, p. 253.
1871. WOOD, W. The Game Falcons of New England. < *Am. Nat.*, v, 1871, pp. 80-87.
Relates chiefly to *Falco communis*—biographical, descriptive, etc.
1871. WOOD, W. Migration of Hawks. < *Am. Nat.*, iv, 1871, pp. 759, 760.
Note on the large flights occasionally observed.
1872. BUCKLEY, H. On some new or rare Birds' Eggs. < *P. Z. S.*, May 7, 1872, pp. 625, 626.
Falco polyagrus, Elanoides furcatus, Ictinia mississippiensis.
1872. CABANIS, J. [Gruppe der Würgfalken, *Phoghierax* (n. g.) *lanarius, jugger, und mexicanus*.] < *J. f. O.*, xx, 1872, pp. 156, 157.

1872. CAREY, C. B. Another Whitetailed Eagle [*Haliaëtus albicilla*] in Guernsey. < *Zoologist*, 2d ser., vii, 1872, p. 2911.
1872. COUCH, J. Foot of the Whitetailed Eagle [*Haliaëtus albicilla*]. < *Zoologist*, 2d ser., vii, 1872, p. 2911.
1872. DRESSER, H. E. [Remarks on exhibition of Skins of various Eagles (*Aquila*).] < *P. Z. S.*, 1872, pp. 863-865.
1872. FEILDEN, H. W. Ospreys [*Pandion haliaëtus*] in Hampshire. < *Zoologist*, 2d ser., vii, 1872, pp. 2991, 2992.
1872. HADFIELD, H. Golden Eagle [*Aquila chrysaëtus*] in the Isle of Wight. < *Zoologist*, 2d ser., vii, 1872, pp. 3309-3311.
1872. RICKARDS, M. S. C. Whitetailed Eagle [*Haliaëtus albicilla*] in Gloucestershire. < *Zoologist*, 2d ser., vii, 1872, p. 2991.
1872. SALVIN, O. A further Revision of the Genus *Leucopternis*, with a Description of a new Species. < *Ibis*, 1872, pp. 239-243, pl. viii.
10 spp. *Leucopternis plumbea*, p. 240, pl. viii, sp. n.
1873. ANON. A battle in the air [between "large brown eagles"]. < *Forest and Stream*, i, Sept. 11, 1873, p. 71.
1873. ANON. Whitetailed Eagle [*Haliaëtus albicilla*] near Rye. < *Zoologist*, 2d ser., viii, 1873, p. 3411.
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1873. BECK, T. Peregrine [*Falcon*, *Falco peregrinus*] near Scarborough. < *Zoologist*, 2d ser., viii, 1873, p. 3802.
1873. BOLLE, C. [*Haliaëtus albicilla* in der Mark.] < *J. f. O.*, 1873, p. 74.
1873. "FRED BEVERLY" [FRED. A. OBER]. The Peregrine Falcon (*Falco anatum*). < *Forest and Stream*, i, Oct. 30, 1873, p. 181.
1873. GILPIN, J. B. On the Eagles of Nova Scotia. < *Trans. Nova Scotia Inst. Nat. Sci.*, iii, pt. iii, 1872 (pub. 1873), pp. 202-208.
2 spp.—*Aquila chrysaetos* [sic], *Haliaeetus* [sic] *leucocephalus*.
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With editorial note by E. Coues.
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1873. GURNEY, J. H., JR. Osprey [*Pandion haliaëtus*] at Hempstead. < *Zoologist*, 2d ser., viii, 1873, pp. 3367, 3368.
1873. HERSCHEL, J. The Flight of the Eagle. < *Forest and Stream*, i, Sept. 18, 1873, p. 85.
1873. HOOPES, B. A. Description of a new variety of *Buteo* [*borealis* var *kriderii*]. < *Proc. Acad. Nat. Sci. Phila.*, xxv, 1873, pp. 238, 239, pl. 5.
1873. HOOPES, B. A. [Description of a new species of hawk, *Buteo borealis* var. *kriderii*.] < *Forest and Stream*, i, Oct. 16, 1873, p. 150.
1873. MAYNARD, C. J. Blue Kite—Everglade Kite. So-for-fun-i-kar [*Rostrhamus sociabilis*]. < *Am. Sportsm.*, iii, 1873, p. 181.
Biography, from his "Birds of Florida", 4to, Salem.
1873. NEWTON, A. On the Great Northern Falcons. < *Ann. Mag. Nat. Hist.*, 4th ser., xii, 1873, pp. 485-487.
Protests against the "retrograde" opinion of R. B. Sharpe, *P. Z. S.*, 1873, pp. 414-419; confirming that of J. Hancock, *Ann. Mag.*, 2d ser., xiii, pp. 110-112, and *Ann. N. H.*, ii, 1838, pp. 241-250.
1873. RIDGWAY, R. Catalogue of the Ornithological Collection of the Boston Society of Natural History. Part II. Falconidæ. < *Proc. Bost. Soc. Nat. Hist.*, xvi, 1873, pp. 43-72.
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1873. RIDGWAY, R.—Continued.

Part I was A. Hyatt on *Spheniscidæ*, *op. cit.*, xiv, p. 237.—A simple catalogue, with reference to the locality, when known, of each specimen, which is mentioned by the Society's number, the original number of the Lafresnaye Collection, when any, being also given; numbers of species according to Gray's *Hand List* also affixed. *Rhynchofalco*, p. 46. *Antenor*, p. 63, *nn.* subgg. Cf. Coues, *Am. Nat.*, 1874, pp. 541-546.

1873. RIDGWAY, R. Revision of the Falconine Genera, *Micrastur*, *Geranospiza* and *Rupornis*, and the Strigine Genus, *Glaucidium*. < *Proc. Bosl. Soc. Nat. Hist.*, xvi, 1873, pp. 73-106.

Published as an "Appendix" to the author's catalogue of the *Falconidæ* of the Boston Society, *tom. cit.*, pp. 43-72. An elaborate article, with characters and synonymy of the genera and species, analytical tables, etc., based upon examination of an unusually large series of specimens. *Micrastur*, 5 spp.; *Geranospiza*, 2 spp.; *Rupornis*, 2 spp.; *Glaucidium*, 8 spp.; besides several "varieties" of each of these genera excepting the first. There is much rectification of synonymy according to the views of the writer, which are not in entire accord with those of other authors. Cf. Coues, *Am. Nat.*, 1874.

Glaucidium is treated on pp. 91-106. This is the first elaborate monograph of the genus, and led to the subsequent revisions of the group by Mr. Sharpe (1875) and Mr. Ridgway (1876). (See *antea* under *Strigidæ*.) The species allowed in this monograph are *G. passerinum* var. *californicum* (= *G. gnoma*), *G. pumilum*, *G. lansbergii* (= rufous phase of *G. jardiinii*), *G. jardiinii*, *G. ferrugineum*, *G. infuscatum* (= *G. ferrugineum*), *G. infuscatum* var. *gnoma* (= *G. ferrugineum*), *G. nanum*, and *G. siju*. *G. lansbergii* is described as new, (but has been determined to be the rufous phase of *G. jardiinii*).—The rectifications here given in parenthesis are derived from the author's later study.

1873. SCHLEGEL, H. Revue de la Collection des Oiseaux de Proie faisant partie du Musée des Pays-Bas. < *Mus. Nat. Hist. Pays-Bas*, 10^e livr., Juillet 1873, pp. 1-156.

The author here reviews the whole subject, which he had previously gone over in 1862-3, but has not apparently much to add to science, though noting the increase of the Museum.

Otus capensis major, p. 3; *Noctua hirsuta minor*, p. 24; *Falco neglectus*, p. 43; *Astur henstii*, p. 62; *Baza celebensis*, p. 135, pp. *nn.*

1873. SHARPE, R. B. On the Falco arcticus of Holböll, with Remarks on the changes of Plumage in some other Accipitrine Birds. < *P. Z. S.*, 1873, pp. 414-419, pl. xxxix.

F. holboëlli, p. 415, sp. n. The pl. shows changes of plumage in *Falco*, *Cymindis*, and *Accipiter*. Cf. especially Newton, *Ann. Mag. Nat. Hist.*, xii, 1873, pp. 485-487.

1873. STEENSTRUP, J. Om de Merker, som Knoklerne i Fuglenes ophulkede Foderboller bære af Opholdet i Fuglenes Mave, samt om disse Markers Betydning for Geologien og Archæologien. < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn* for Aaret 1872 (1873), pp. 211-236, pl. iv.

This is the full text of the article, a résumé of which, in French, is given in the same volume, pp. 28-36, and also in *Gerv. Journ. de Zool.*, iii, 1873, pp. 488-498.

1873. STEENSTRUP, J. Sur les marques que portent les os contenus dans les pelotes rejetées par les oiseaux de proie et sur l'importance de ces marques pour la géologie et l'archéologie. < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn* for Aaret 1872 (1873), pp. 28-36, pl. iv.1873. STEENSTRUP, J. Sur les marques que portent les os contenus dans les pelotes rejetées par les oiseaux de proie et sur l'importance de ces marques pour la géologie et l'archéologie. < *Gerv. Journ. de Zool.*, ii, 1873, pp. 488-498, pl. xx.

Analyse, faite par l'auteur, de son Mémoire inséré dans le *Vidensk. Meddel. fra den Naturh. Foren. i Kjöbenh.* for Aaret 1872, 1873, p. 211-236, pl. iv.

1873. WOOD, W. The Game Falcons of New England. The Pigeon Hawk [*Falco columbarius*]. < *Am. Nat.*, vii, 1873, pp. 340-345.

A biography of this species.

1874. ANON. An Eagle's struggle with a Girl. < *Am. Sportsman*, iii, 1873-4, p. 375.

Quoted from Jacksonville, Florida, *Republican* (newspaper). An eagle attacks a child 14 years old.

1874. ANON. Singular Capture of an Eagle. < *Zoologist*, 2d ser., ix, 1874, p. 3953.

From *Inverness Advertiser*.

1874. BARRINGTON, R. M. Golden Eagle [*Aquila chrysaëtos*] at Powerscourt. < *Zoologist*, 2d ser., ix, 1874, p. 3952.
1874. CLARK-KENNEDY, A. J. An Osprey [*Pandion haliaëtus*] carrying off Young Chickens. < *Zoologist*, 2d ser., ix, 1874, pp. 3996, 3997.
1874. COUES, E. Habits and Characteristics of Swainson's Buzzard [*Buteo swainsoni*]. < *Am. Nat.*, viii, 1874, pp. 282-287.
Extended description and biography.
1874. GUNN, T. E. Marsh Harrier [*Circus æruginosus*] in Suffolk. < *Zoologist*, 2d ser., ix, 1874, p. 4117.
1874. HADFIELD, H. Peregrines [*Falco peregrinus*] in the Isle of Wight. < *Zoologist*, 2d ser., ix, 1874, pp. 4032, 4033.
1874. HARVIE-BROWN, J. A. Osprey [*Pandion haliaëtus*] carrying off Chickens. < *Zoologist*, 2d ser., ix, 1874, p. 4117.
1874. "NIMROD." [JARVIS, W.] The Peregrine Falcon (*Falco Peregrinus*). < *Am. Sportsman*, iii, 1874, p. 323.
1874. RUFF, M. D. Fish-Hawks [*Pandion carolinensis*] and their Nests. < *St. Nicholas Mag.*, i, 1874, pp. 79-82, one illust.
1874. SHARPE, R. B. Catalogue | of the | Accipitres, | or | Diurnal Birds of Prey, | in the | collection | of the | British Museum. | By | R. Bowdler Sharpe. | London: | printed by order of the Trustees. | 1874. 1 vol. pp. i-xiv, 1-480, pll. i-xiv, numberless cuts in text.
- This is the first volume of the New British Museum Catalogue of Birds, the title of the work as one of the series being: Catalogue | of the | Birds | of the | British Museum. | Volume I. | London: | printed by order of the Trustees. | 1874. The scope of these new Catalogues is greatly enlarged over that of previous ones, and much beyond the requirements of a mere list: being, in fact, a series of monographs of the different groups treated. The present volume, like that on the Owls, is by Mr. Sharpe. It contains a very full account of all the known species of Diurnal Birds of Prey, 377 in number, of which only about 25 are wanting in the collection. These are elaborately described, with extensive synonymy, analytical keys to the species and genera, &c. Many details of structure are illustrated by the woodcuts, and a number of species are figured in colors. The total number of specimens handled is 2,466.
- The author's classification has been much criticised. He divides the *Raptores* into three suborders, *Falcones*, *Pandiones*, and *Striges*. The *Pandiones* include only the two genera *Pandion* and *Polioaëtus*. The *Falcones* are made to consist of two families, *Falconidæ* and *Vulturidæ*. The latter include the *Cathartidæ*, certainly more different from *Vulturidæ* than these are from *Falconidæ*. The *Falconidæ* are divided into *Polyborinæ*, *Accipitrinæ*, *Buteoninæ*, *Aquilinæ*, *Falconinæ*. Under the first of these subfamilies are ranged *Cariama* and *Serpentarius*. These birds are treated under 80 genera, of which the following 9 are new: *Lophogyps*, p. 15; *Ænops*, p. 25; *Urotriorchis*, p. 83; *Erythrocnema*, p. 84; *Heterospizias*, p. 160; *Buteola*, p. 201; *Lophotriorchis*, p. 255; *Henicopernis*, p. 241; *Microhierax*, p. 366. The following species are figured:
- PI. I. *Gyps kolbi*. II. f. 1, *Ænops falklandica*; f. 2, *Æ. urubitinga*. III. *Astur macroscelides*. IV. f. 1, *A. soloensis*; f. 2, *A. cuculoides*. V. *A. wallacii*. VI. f. 1, *A. toussenelii*; f. 2, *Accipiter hartlaubii*. VII. f. 1, *Buteo plumipes*; f. 2, *Archibuteo strophiatas*. VIII. *Buteo ferox*. IX. *Spilornis pallidus*. X. f. 1, *Baza magnirostris*; f. 2, *B. erythrorhox*. XI. f. 1, *B. sumatrensis*; f. 2, *B. cuculoides*. XII. *Falco minor*. XIII. *Hierofalco holbeelli*. XIV. f. 1, *Cerchneis alopec*; f. 2, *C. zoniventris*.
1874. SUNDEVALL, C. J. Förflykt Anordning av Dagroöfoglarna (Dispositio nova Accipitrum Hemeroharpagorum). < *Öfvers. af Kongl. Vetensk.-Akad. Förh.*, 1874, pp. 21-29.
Not seen:—*Plangus neogæus*, p. 23.
1874. UNWIN, W. H. On the Breeding of the Golden Eagle (*Aquila chrysaëtos*) in North-western India. < *P. Z. S.*, xlii, 1874, pp. 208-212.
1874. WOOD, W. The Game Falcons of New England. The Sparrow Hawk [*Falco sparverius*]. < *Am. Nat.*, viii, 1874, pp. 266-270.
Biographical notice.
1875. ANON. Hawking. < *Rod and Gun*, vi, Aug. 14, 1875, p. 294.
Reprint from the *London Quarterly*.

1875. ANON. [Eagles in Pennsylvania.] < *Rod and Gun*, vi, Nov. 20, 1875, p. 124.
1875. ANON. Whitetailed Eagle [*Haliaëtus albicilla*] in Northamptonshire. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4337.
From *The Field*, Jan. 16, 1875.
1875. "AUDUBON" [*pseudon.*] Eagles [*Haliaëtus leucocephalus*] on the Susquehanna. < *Forest and Stream*, v, Nov. 25, 1875, p. 243.
1875. AUDUBON, J. J. The Golden Eagle, *Aquila chrysaetus*, Linn. < *The Oölogist*, i, 1875, pp. 68, 69.
Quoted from his work.
1875. BLASIUS, W. [Ueber die nördischen Jagdfalken.] < *Ber. über d. xxi. Vers. d. deut. Orn.-Ges.*, 1875, pp. 17, 18.
1875. BOARDMAN, G. A. [*Haliaëtus leucocephalus* catching its own fish.] < *Forest and Stream*, iv, Feb. 18, 1875, p. 22.
1875. "BOB." Great Flight of Hawks. < *Rod and Gun*, vii, Oct. 2, 1875, p. 3.
1875. CLARK-KENNEDY, A. J. Whitetailed Eagle [*Haliaëtus albicilla*] in Norfolk. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4690.
1875. CLARK-KENNEDY, A. J. Osprey [*Pandion haliaëtus*] in Suffolk. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4690.
1875. CORBIN, G. E. Osprey [*Pandion haliaëtus*] in Hampshire. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4690.
1875. D[AVIS], F. J. Nest and Eggs of the Broad-winged Hawk. (*Buteo pennsylvanicus*.) < *The Oölogist*, i, 1875, p. 2.
1875. DRESSER, H. E. Notes on *Falco labradorus*, Aud., *Falco sacer*, Forster, and *Falco spadiceus*, Forster. < *P. Z. S.*, Mar. 2, 1875, pp. 114-117.
1. *F. labradorus* is distinguished as a good species. *F. sacer* is queried as a synonym of *F. gyrfalco*. *F. spadiceus*, which Sharpe and Ridgway had each referred to *Archibuteo sanctijohannis*, and of which Vieillot had made a *Buteo spadiceus*, is identified with *Circus hudsonius*.
1875. [FITCH, E. H.] The Swallow-tailed Kite. (*Nauclerus forficatus*.) < *The Scientific Monthly* (Toledo, Ohio), i, No. ii, 1875, pp. 41-44, fig.
Popular account.
1875. G[RAY], A. F. [*Haliaëtus leucocephalus* in Massachusetts.] < *Forest and Stream*, iv, Feb. 18, 1875, p. 22.
- 1875-79. GURNEY, J. H. Notes on a 'Catalogue of the Accipitres in the British Museum,' by R. Bowdler Sharpe (1874). < *Ibis*, 3d ser., v, Jan., 1875, pp. 87-96; Apr., 1875, pp. 221-236; July, 1875, pp. 353-370, pl. vi; Oct., 1875, pp. 468-484.—vi, Jan., 1876, pp. 65-77, pl. iii; Apr., 1876, pp. 230-243; July, 1876, pp. 364-376; Oct., 1876, pp. 467-493.—4th ser., i, Apr., 1877, pp. 209-236; July, 1877, pp. 325-333; Oct., 1877, pp. 418-437.—ii, Jan., 1878, pp. 84-102, pl. ii; Apr., 1878, pp. 145-164; July, 1878, pp. 352-356; Oct., 1878, pp. 451-466.—iii, Apr., 1879, pp. 71-84; July, 1879, pp. 330-341; Oct., 1879, pp. 464-470. (Continued in 1880.)
Accipiter ovampensis, 1875, pl. vi. *Buteo hypospodius*, 1876, pl. iii. *Dryotriorchis spectabilis*, 1878, pl. ii.
This is a very notable series of papers, forming a critical review of Mr. Sharpe's work, from a hand long specially practised in this department of ornithology. Containing as it does many elaborate discussions of doubtful points and extended descriptions of specimens, as well as other additions to and corrections of Mr. Sharpe's Catalogue, it is almost necessarily to be consulted by any one using the work of the last-named author.
1875. HENSHAW, H. W. Avi-Fauna—A Correction. < *Rod and Gun*, vi, Apr. 24, 1875, p. 57.
Capt. Bendire's discovery of *Urubitinga anthracina* in Arizona.
1875. INGERSOLL, E. Eagles. < *Forest and Stream*, v, Nov. 4, 1875, p. 195.
Bald eagle reported as carrying away children and lambs in Pennsylvania.
1875. "J. H. D." "Cave Aquilam." < *Rod and Gun*, vi, May 8, 1875, p. 91.
"Large brown eagle" seizing ducks shot by gunners.

1875. MATHEW, M. A. Flight of a Male Peregrine at an old Male Hen Harrier. < *Zoologist*, 2d ser., x, Jan., 1875, pp. 4296, 4297.
1875. "NIMROD." [JARVIS, W.] The Swallow-tailed hawk [*Elanoides forficatus*]. < *Forest and Stream*, v, Oct. 21, 1875, p. 163.
Merely descriptive of plumage and habit.
1875. "NIMROD." [JARVIS, W.] [*Haliaëtus leucocephalus* capturing its own fish.] < *Forest and Stream*, iii, Jan. 28, 1875, p. 389.
1875. RIDGWAY, R. The Sparrow hawk or American Kestrel [*Tinnunculus sparverius*]. < *Rod and Gun*, vi, July 3, 1875, pp. 209 and 220.
1875. RIDGWAY, R. Notice of a very rare Hawk [*Onychotes gruberi*]. < *Rod and Gun*, vi, May 1, 1875, p. 65.
1875. RIDGWAY, R. On *Nisus cooperi* (Bonaparte), and *N. gundlachi* (Lawrence). < *Proc. Acad. Nat. Sci. Phila.*, 1875, pp. 78-88.
A very elaborate article, descriptive, synonymic and critical, in which the distinction of these two species is maintained. The synonymy is very copious.
1875. RIDGWAY, R. On the Buteonine Subgenus *Craxirex*, Gould. < *Proc. Acad. Nat. Sci. Phila.*, 1875, pp. 89-119.
Very complete treatment, with copious synonymy, exhaustive description, and much critical comment, of 6 spp.: *Buteo* (*Craxirex*) *galapagoensis*, *poliosomus*, *erythronotus*, *albicaudatus*, *swainsoni*, and *pennsylvanicus*, which are all the species the author allows to stand in this particular group, distinguished from typical *Buteo* (type *vulgaris*) by having only three instead of four outer primaries emarginate on their inner webs. *Tachytriorchis* and *Poecilopternis* of Kaup are regarded as strictly synonymous. The group is considered peculiar to America, four of the species being neotropical.
1875. RIDGWAY, R. Outlines of a Natural Arrangement of the Falconidæ. < *Bull. U. S. Geol. Surv. Terr.*, 2d ser., No. 4, June 10, 1875, pp. 225-231, pll. xi-xviii.
Divided into *Falconinæ* and *Buteoninæ*: *Falconinæ* subdivided into *Falcones*, *Polybori*, *Microstures*, *Herpetotheres*. Cf. *Ibis*, 1875, pp. 498-500.
Compare same author, *Pr. Phila. Acad.*, 1870, pp. 138-150. That former classification is here very decidedly modified, upon broader consideration of the osteology of the family, with special reference to characters afforded by the sternum and shoulder-girdle, many of the features of which are illustrated on the plates.
1875. "ROAMER." Eagles [*Haliaëtus leucocephalus*]. < *Forest and Stream*, iv, Mar. 4, 1875, p. 55.
1875. SHARPE, R. B. Contributions to a History of the Accipitres. Notes on Birds of Prey in the Museum at the Jardin des Plantes and in the Collection of Mons. A. Bonvier. < *Ibis*, 3d ser., v, Apr., 1875, pp. 253-261.
Notes on 12 spp. *Microhierax sinensis* (David, mss.), p. 254; *Syrnium davidi*, p. 256; *Glaucidium tephronotum*, *Scotopelia bouvieri*, p. 260, spp. nn. List of 6 spp. of *Carine*, 28 spp. of *Ninox*, 24 spp. of *Glaucidium*.
1875. WHITAKER, J. Peregrine Falcon in Nottinghamshire. < *Zoologist*, 2d ser., x, July, 1875, p. 4537.
1875. WILLMOTT, C. Golden Eagle [*Aquila chrysaëtus*] near Chatteris. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4703.
1876. BARRINGTON, R. M. Golden Eagles trained to capture Wolves and Foxes. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5162.
1876. BREWSTER, W. Winter habits of buzzard hawks. < *Forest and Stream*, vi, Feb. 10, 1876, p. 3.
1876. BROWNE, MONTAGU. Osprey [*Pandion haliaëtus*] near Birmingham. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4759.
1876. CARTWRIGHT, D. W. A plucky eagle. < *Rod and Gun*, viii, Apr. 22, 1876, p. 55.
Anecdote from "Western Wild Animals."
1876. CHARBONNIER, H. J. Greenland Falcon in Scotland. < *Zoologist*, 2d ser., xi, June, 1876, p. 4954.

1876. C[LARKE], S. C. Fish hawks and eagles [in Florida]. < *Forest and Stream*, vii, Dec. 7, 1876, p. 276. See vol. viii, p. 4.
1876. CLARK-KENNEDY, A. J. Whitetailed Eagle in Suffolk. < *Zoologist*, 2d ser., xi, Dec., 1876, p. 5178.
1876. CONCH, J. Greenland or Iceland Falcon in Guernsey. < *Zoologist*, 2d ser., xi, June, 1876, pp. 4953, 4954.
1876. COPE, W. J. Peregrine Falcons breeding on the Yorkshire Coast. < *Zoologist*, 2d ser., xi, July, 1876, p. 5000.
1876. CORDEAUX, J. Food of Peregrine, &c. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4828, 4829.
1876. COUES, E. Letters on Ornithology. No. 9.—The Red-tailed Buzzard [*Buteo borealis*] and other Hawks. < *Chicago Field*, vi, No. 19, Dec. 23, 1879, p. 301, fig.
 Popular notice of North American *Falconidæ*, with fig. of head of species named.
1876. DRESSER, H. E. *Falco labradorus*. (Labrador Falcon.) < *Rowl. Ornith. Misc.*, pt. iii, Jan., 1876, pp. 185–191, pll. xxiv, xv.
 Maintaining the validity of this species in an extended article, illustrated with colored figures of adult and young.
1876. GURNEY, J. H., JR. Peregrine in the City of Norwich. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4795.
1876. GURNEY, J. H., JR. Notes on the Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4829.
1876. GURNEY, J. H., JR. Plumage of the Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, May, 1876, p. 4921.
1876. GURNEY, J. H., JR. Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, May, 1876, p. 4921.
1876. GURNEY, J. H., JR. Variety of the Sea Eagle. < *Zoologist*, 2d ser., xi, July, 1876, p. 5000.
1876. GURNEY, J. H., JR. *Falco peregrinus* in Egypt. < *Zoologist*, 2d ser., Aug., 1876, p. 5041.
1876. GURNEY, J. H., JR. Sternum of the Peregrine Falcon. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5079.
1876. HADFIELD, H. Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4920, 4921.
1876. "H. W." The Red-tailed Hawk. < *Forest and Stream*, v, Jan. 6, 1876, p. 340.
1876. [INGERSOLL, E.] American *Falconidæ*, etc. < *Forest and Stream*, vi, Apr. 13, 1876, p. 148.
 Review of R. Ridgway's papers in *Bull. U. S. Geol. and Geog. Surv. Terr.*, ii, No. 2, 1876.
1876. JACOB, E. Osprey [*Pandion haliaëtus*] in County Waterford. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4759.
1876. MATHEW, M. A. *Archibuteo Sancti-Johannis*. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4870.
 Its possible occurrence in England.
1876. MAYNARD, C. J. The Common Buzzard Hawk (*Buteo vulgaris*) of Europe in North America. < *Bull. Nutt. Ornith. Club*, i, No. 1, Apr., 1876, pp. 2–6.
 But see *tom. cit.*, No. 2, July, 1876, p. 32.
1876. McNICHOL, N. Iceland Falcon in Caithness. < *Zoologist*, 2d ser., xi, 1876, p. 4920.
1876. NEWMAN, E. The Eagles of Poetry and Prose. < *Zoologist*, 2d ser., xi, Nov., 1876, pp. 5133, 5136.
 This posthumous fragment appears to have been written with some idea that it should form the commencement of a popular work to be entitled 'British Bird Biography'—an idea probably abandoned, as no continuation has been found.

1876. RAMSAY, E. P. Catalogue of the Australian Accipitres or Diurnal Birds of Prey inhabiting Australia, in the Collection of the Australian Museum at Sidney, N. S. W. By E. Pierson Ramsay, F. L. S., C. M. Z. S., &c., &c. Curator of the Museum, Sidney. — Sidney: printed by order of the Minister of Justice and Public Instruction. — 1876. pp. i-viii, 1 leaf, pp. 1-64, 1-3.

There is another title of this little brochure, according to which it is Part I of a Catalogue of Australian Birds in the Museum. It is highly wrought for a catalogue—quite in the style of the *Brit. Mus. Catalogues*, treating 27 spp. with description, synonymy, &c.—these being, in fact, all the Diurnal Birds of Prey known to the author to inhabit Australia.

1876. RICHARDSON, W. Roughlegged Buzzard in York-shire. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4760.

1876. RIDGWAY, R. Regarding *Buteo vulgaris* in North America. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, pp. 32-39.

Critical discussion of the question, with special reference to *tom. cit.*, No. 1, p. 2.

1876. RIDGWAY, R. Studies of the American Falconidæ. By Robert Ridgway. Monograph of the Polybori. < *Bull. U. S. Geol. Surv. Terr.*, 2d ser., No. 6, Feb. 8, 1876, pp. 451-473, pll. 22-26.

The genera of *Polybori* are recognized as *Polyborus*, *Phalcobænus*, *Milvago*, and *Ibycter*, monography of the species of each of which is given, illustrated with details of form on the 5 plates. *Polyborus lutosus*, p. 459, sp. n.

1876. RIDGWAY, R. Studies of the American Falconidæ. < *Bull. U. S. Geol. and Geogr. Surv. Terr.*, ii, No. 2, Apr. 1, 1876, pp. 91-182, pll. 30, 31.

In this, the third paper of the series (all published in this *Bull.*), numerous genera are studied with care, the results of investigation constituting a monography of each one of them. *Nisus*, pp. 91-131; *Geranoæetus*, pp. 131-133; *Onychotes*, pp. 134, 135; *Icerpetotheres*, pp. 136-138, pll. 30-31, giving details of *H. cachinnans*; *Heterospizias*, pp. 139, 140; *Buteogallus*, p. 141; *Busarellus*, pp. 142-144; *Thrasætus*, pp. 145, 146; *Morphnus*, pp. 147-149; *Gampsonyx*, pp. 150, 151; *Leptodon*, pp. 152-155; *Regerhinus*, pp. 156-160; *Antenor*, pp. 161-165; *Spiziasur*, p. 166; *Urubitinga*, p. 167-173; *Leucopternis*, pp. 174-179; *Elanoides*, pp. 180-182. The descriptions are elaborate, in most cases, and the synonymy is very copious.

1876. RIDGWAY, R. Studies of the American Falconidæ.—Monograph of the Genus *Micrastur*. < *Proc. Acad. Nat. Sci. Phila.*, Dec. 23, 1875, pp. 470-502, figg. 1-9. (Pub. 1876.)

Elaborate treatment of 6 spp. of the genus, with copious synonymy, extended descriptions, and critical comment; much also on the literature of the subject. The species recognized as valid are 7 in number, viz: *M. melanoleucus*, *mirandollii*, *guerrilla*, *zonothorax*, *ruficollis*, *pelzelni*, sp. n., p. 494, *concentricus*. Details of heads, feet, and wings are figured. The appendix, pp. 500-502, gives biographical notes on *M. melanoleucus*, by A. J. Grayson.—The author afterward reviewed his work in *Ibis*, 1876, pp. 1-5, q. v. See also his original paper on the genus, *Proc. Bost. Soc.*, xvi, 1873, pp. 73-106.

1876. RIDGWAY, R. Second Thoughts on the Genus *Micrastur*. < *Ibis*, 3d ser., Jan. 1876, pp. 1-5.

Results of examination of the entire series of the smaller members of this genus in the Mus. Salvin-Godman, modifying views before given in *Proc. Bost. Soc.*, xvi, 1873, pp. 73-106, and *Proc. Phila. Acad.*, 1875 (pub. 1876), pp. 470-502, qq. vv. The spp. now admitted are *MM. melanoleucus*, *mirandollii*, *guerrilla*, *zonothorax*, *ruficollis*, *pelzelni*, and *concentricus*, all of which are analyzed, with critical determinations of the names of old authors, and a special description of *M. pelzelni* Ridgw.

1876. ROCKE, J. Greenland Falcon in North Wales. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4919, 4920.

1876. ROWLEY, G. D. Falconry. < *Rowl. Orn. Misc.*, pt. iv, May, 1876, pp. 213-222, pll. xxvii-xxix.

1876. [SCLATER, P. L.] [On Young Caracaras (*Polyborus* sp.) in remarkable plumage.] < *P. Z. S.*, Apr. 4, 1876, p. 333, pl. xxv.

The species here left in doubt was afterward determined to be *P. tharus*, juv., in an abnormal phase of coloring. Cf. *P. Z. S.*, 1878, pp. 230-232.

1876. SCLATER, J. Plumage of the Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, June, 1876, p. 4955.

1876. VENNOR, H. G. Our Birds of Prey, | or the | Eagles, Hawks, and Owls | of | Canada. | By | Henry G. Vennor, F. G. S. | Of the Geological Survey of Canada. | With 30 Photographic Illustrations by Wm. Notman. | — | R. Worthington, 750 Broadway, New York. | Montreal: | published by Dawson Brothers. | — | 1876. 1 vol. sm. 4to. pp. i-viii, 1-154, with 30 photog. pll.
- An interesting and valuable treatise in so far as it is largely based upon original observations and personal experiences, though the technic of the work is decidedly behind the times. The photographic illustrations must be regarded as an experiment not entirely successful, being for the most part taken from very badly stuffed specimens.—Pl. 1, Duck Hawk. 2, Pigeon Hawk. 3, Gyr Falcon. 4, same, dark variety. 5, Sparrow Hawk. 6, 7, American Goshawk, ad. and young. 8, Cooper's Hawk. 9, Sharp-shinned Hawk. 10, Red-tailed Buzzard. 11, Red-shouldered Buzzard. 12, same, young. 13, Broad-winged Buzzard. 14, Rough-legged Buzzard. 15, same, black variety. 16, Marsh Hawk. 17, Golden Eagle. 18, Bald Eagle. 19, Osprey. 20, Great Horned Owl. 21, Screech Owl. 22, Long-eared Owl. 23, Short-eared Owl. 24, Great Gray Owl. 25, Barred Owl. 26, Sparrow Owl. 27, Acadian Owl. 28, 29, Snowy Owl. 30, Hawk Owl.
1876. WHITAKER, J. Kite, Hen Harrier and Hobby in Nottinghamshire. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4760.
1876. WHITAKER, J. Roughlegged Buzzard at Rufford. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4870.
1876. WOOD, W. The game Falcons of New England: the Goshawk [*Astur atricapillus*]. < *Am. Nat.*, x, No. 3, 1876, pp. 132-135.
- A good popular account of the habits of this species.
1876. YULLE, S. Hen Harrier in Northumberland. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5079.
1877. A[LLEN], J. A. Ridgway's "Studies of the American Falconidae." < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 70-73.
- Extended review of several of Ridgway's late papers on this subject, in *Bull. U. S. Geol. Surv. Terr.*, *Proc. Phila. Acad.*, and *Proc. Bost. Soc.*
1877. BOUDWIN, G. Peregrine falcon (*Falco Peregrinus*). < *Forest and Stream*, viii, Apr. 19, 1877, p. 161.
- Falco anatum* feeding upon the pigeons around St. Peter's Church, Philadelphia.
1877. C[LARKE], S. C., and "DOM PEDRO" [QUAY, T. R.]. "Does the Osprey ever take dead fish?" < *Forest and Stream*, viii, Feb. 8, 1877, p. 4.
- Letters detailing affirmative instances. See vol. vii, p. 276.
1877. CORY, C. B. The Black Gyr-Falcon (*Falco sacer* var. *labradora*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 27.
1877. COUES, E. Eastward Range [to Illinois] of the Ferruginous Buzzard (*Archibuteo ferrugineus*). < *Bull. Nutt. Ornith. Club*, ii, No. 1, 1877, p. 26.
1877. COUES, E. Letters on Ornithology. No. 13.—The Harrier [*Circus hudsonius*]. < *The Chicago Field*, Feb. 3, 1877, fig.
- Notice of habits, etc.
1877. "DOM PEDRO" [QUAY, T. R.]. Does the Osprey [*Pandion haliaëtus*] ever take dead fish? < *Forest and Stream*, viii, May 17, 1877, p. 224.
1877. "FLORIDA." Audacity in Hawks. < *Forest and Stream*, viii, June 14, 1877, p. 300.
1877. GIBBS, R. M. W. A Rare Bird [*Buteo harlani*]. < *The Naturalist and Fancier* (of Grand Rapids, Michigan), Aug., 1877, p. 31.
- Description, by R. Ridgway, of a specimen from Gainesville, Texas, Nov. 16, 1876.
1877. HARRINGTON, B. J. A very rare bird [dark variety of gyrfalcon, in Montreal]. < *Canadian Naturalist*, viii, Apr., 1877, p. 249.
1877. MURDOCH, J. The Pigeon-Hawk (*Falco columbarius*) at Sea. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 79.
1877. RAGSDALE, G. H. Capture of *Buteo harlani* (And.) in Texas. < *Forest and Stream*, ix, Aug. 16, 1877, p. 24.

1377. "ROAMER" []. Does the Osprey Ever Take Dead Fish? < *Forest and Stream*, vii, Jan. 11, 1877, p. 357.
1377. "ROAMER" []. Ospreys Taking Dead Fish. < *Forest and Stream*, viii, June 14, 1877, p. 300. See pp. 4, 113.
1377. "ROAMER" []. Ospreys taking dead fish. < *Forest and Stream*, viii, Mar. 29, 1877, p. 113. See p. 4, 224, 300.
1377. [SCOTT, W. E. D.] A Strange Flight of Hawks. < *The Country*, i, Dec. 8, 1877, p. 79.
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1378. ANON. The Bird of America [*Haliaëtus leucoccephalus*]. < *Mining and Scientific Press* (newspaper of San Francisco), xxxvii, No. 25, Dec. 21, 1878, p. 393.
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1378. BREWSTER, W. Occurrence of a Second Specimen of Swainson's Buzzard (*Buteo swainsoni*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 39, 40.
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The same individual as described and figured in *P. Z. S.*, 1876, p. 333, pl. 25, here decided to be *P. tharus* juv., in an abnormal phase of coloring.
1378. GURNEY, J. H. [*Falco* of Ibis, 1877, p. 149 and p. 397, from Socotra, proved to be *F. peregrinus*.] < *Ibis*, 4th ser., ii, July, 1878, p. 380.
1378. "JOHN." [J. FOWLER.] An Epicurean Eagle. < *Forest and Stream*, x, May 30, 1878, p. 319.
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1378. MEARNs, E. A. The Golden Eagle [*Aquila chrysaëtus*] in the Hudson Highlands. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 100, 101.
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1879. ANON. Nesting of *Accipiter fuscus*. < *The Oölogist*, iv, No. 10, May, 1879, p. 76, pl. —, f. 4.
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1879. GURNEY, J. H. Note upon Three American Raptorial Birds apparently new to Science. < *Ibis*, 4th ser., iii, Apr., 1879, pp. 171-178, pl. iii.
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1879. [INGERSOLL, E.] [On the Breeding Habits of *Buteo lineatus*.] < *Science News*, i, No. 9, Mar. 1, 1879, p. 138.
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1879. PURDIE, H. A. MacFarlane's Gerfalcon (*Falco gyrfalco sacer*) in Maine. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 188, 189.
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Biography of *Cathartes aura*, from "Birds of the Northwest".
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Popular notice, copied from —.
1880. RIDGWAY, R. Notes on the American Vultures (*Sarcorhamphidæ*), with Special Reference to their Generic Nomenclature. < *Bull. Nutt. Ornith. Club*, v, No. 2, Apr., 1880, pp. 77-84.

This is an attempt to fix the generic names, which, though comparatively few in number, have been almost inextricably involved, through the conflicting usages of authors who hold to different rules for the adoption of genera. By a kind of "process of elimination", the author determines the following names, with their types: 1, *Sarcorhamphus* Dum., 1806, for the Condor; 2, *Gyparchus* Gloger, 1842, for the King Vulture; 3, *Pseudogryphus* Ridgw., 1874, for the Californian Vulture; 4, *Cathartes* Ill., 1811, for the Turkey Buzzard; 5, *Catharista* Vieill., 1816, for the Black Vulture. The synonyms of each of these are given, with the references. Remarks are made upon *Sarcorhamphus æquatorialis* and *S. gryphus*, *Pseudogryphus californianus*, *Cathartes burrovianus* and *C. pernigra*.

Bull. v, 4—18

Columbidae.

1735. MOORE, J. Columbarium, etc.

Not seen.—This is the date of the orig. ed. of the famous work, which passed to many eds.; see the American, 1874. There is a verbatim reprint by W. B. Tegetmeier, London, 1879. Cf. *Ibis*, 1879, p. 219.

"The chief interest of Moore's 'Columbarium' consists in the careful descriptions of the different races of the domestic Pigeon as they existed in 1735, enabling a comparison to be made with those of the present day. The alterations produced by careful breeding, carried on for 150 generations, can thus be traced."

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The *Ectopistes migratorius* of authors.

1774. PORTAL, —. [Sur un Pigeon qui avoit deux anus; et sur un autre qui avoit une double trachée-artère.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1771, 1774, p. 38.

1765. ANON. A | Treatise | on | Domestic Pigeons; | comprehending | [etc., 31 lines.] | London: | Printed for and Sold by C. Barry, in Ingram Court, Fenchurch- | street. Sold likewise by P. Stevens, near Stationers Hall, Ludgate- | street; A. Webley, Holborn; and J. Walters, Charing-Cross. | M. DCC LXV. 1 vol. pp. i-xvi, 1-144, frontisp., and 13 pll.

1806. CAVANILLES, A. J. Natural History of the domestic Pigeons of Spain, particularly in the Province of Valentia. < *Tilloch's Philos. Mag.*, xxv, 1806, pp. 112-122.

From *Bibliothèque Physico-Économique*, No. 3, 1805. Classification, with summary characters of the various breeds, followed by an amplification of the same and general remarks on habits, &c.

1808-11. TEMMINCK, C. J. Histoire Naturelle | Générale | des Pigeons; | par C. J. Temminck, | Directeur de l'Académie Royale des Sciences et des Arts de Harlem, et Membre | de plusieurs Sociétés d'Histoire Naturelle. | Avec figures en couleurs, | peintes par Mademoiselle Pauline de Courcelles, | gravées, imprimées et retouchées sous sa direction. | — | Paris, | Garnery, Rue de Seine, Ancien Hôtel Mirabeau. | — | 1808[-1811]. 1 vol. folio. Prel. Title (Histoire Naturelle | des Pigeons | et des Gallinacés), 1 leaf; Temminck's Dedication to the King of Holland, 1 leaf; Title, 1 leaf; Introduction, pp. i-x; Temminck's Discourse on Pigeons, pp. 7-22; Text, pp. 23-41, 1-128, 1-30; Index, pp. i-xvj; Table, pp. i-iii; with 87 plates, in three series, 1-11; 1-25, 25 bis, 26-59; 1-16. [OR,]

1808-11. KNIP, Madame. Les Pigeons, | par Madame Knip, | née Pauline de Courcelles, | premier peintre d'Histoire Naturelle | de S. M. l'Impératrice Reine Marie-Louise. | Le texte par C. J. Temminck, | Directeur de l'Académie des Sciences et des Arts de Harlem, etc. | [Monogram.] | A Paris, |

Chez { M^{me} Knip, Auteur et Éditeur, Rue de Sorbonne, Musée des Artistes. |
— | Garnery, Libraire, Rue de Seine, Hôtel Mirabeau, n^o 6.

— | De l'imprimerie de Mame. | M. DCCC XI. 1 vol. folio. Prel. Title (Les Pigeons), 1 leaf, Knip's new Title, 1 leaf; Knip's Discourse on Pigeons, pp. 1-14; Text, pp. 23-41, 1-128, 1-30; Table, pp. i-iii; with 87 plates, in three series, 1-11; 1-25, 25 bis, 26-59; 1-16.

This work is one of the curiosities of literature. Owing to the cause célèbre between the two ostensible authors, we have in effect the same work by two different authors, with two different title-pages, above transcribed. By comparing the two preceding paragraphs, the difference between the two forms of the work may be perceived.

The work was originally published in 15 livraisons, 1808-1811. At the 9th livraison, 1811,

1808-11. TEMMINCK, C. J., or KNIP, Madame—Continued.

Madame Knip accomplished a piece of truly feminine finesse, by which she stole it from Temminck. To do this, she changed the cover-title of the 9th and following livraisons, and made sundry other alterations to suit her purpose. With the 15th livraison she furnished new title-pages of the whole work, substituted a new *Discours sur les Pigeons*, and directed the binder to suppress Temminck's title-pages, his entire Introduction, his Index, and his *Discours*. To account for the break in the pagination of the text between p. 23 and p. 41, she even went so far as to declare it was a typographical error. This was certainly a bold trick, regardless of consequences. But no such piracy as seems to have suited the lady's taste could hope to pass without detection; and Temminck immediately published an indignant réclamation, exposing and protesting against the fraud. What may have gone on under the surface would doubtless be even more curious than what has transpired, but the historical facts are sufficiently novel.

There is a unique copy of this work in the Library of the Philadelphia Academy, from the *Bibliothèque de J. B. Hazard*, preserving all the original cover-titles, and giving some manuscript notes explaining the whole affair. These I shall transcribe beyond.

The first eight livraisons appeared under the following cover-title, 1808-1810:—

Histoire | Naturelle | des Pigeons. | — | [. . .] Livraison. | — | A Paris, | chez Garnery, Rue de Seine, Ancien Hôtel Mirabeau. | — | De l'imprimerie de Mame Frères, | Rue de Pot-de-Fer, n° 14. | 1809 [1810].

Though the date on the title is 1808, that on livr. 1, 2, 3, 4, 5 is 1809, and perhaps none of the work appeared before 1809. The date on livraisons 6, 7, 8 is 1810. With the 9th livraison Madame Knip stole the work, altering the cover-title to—

Les Pigeons, | par Madame Knip, | née Pauline de Courcelles, | Premier Peintre d'Histoire Naturelle | de S. M. l'Impératrice Reine Marie-Louise. | Le texte par C. J. Temminck, | Directeur de l'Académie des Sciences et des Arts de Harlem, etc. | — | [. . .] Livraison. Prix 40 francs. | — | Chaque livraison, accompagnée de son texte, est composée de six figures en couleurs | d'après les dessins de l'Auteur, gravées, imprimées, et retouchées sous sa direction. | L'Histoire Générale des Pigeons aura quinze livraisons formant un volume. | A Paris, | Chez { M^{me} Knip, Auteur et Éditeur, Rue de Sorbonne, Musée des Artistes. | — | De l'imprimerie de Mame. | M. DCCC XI.

The unique copy examined is invaluable in containing Hazard's use. "Notes Bibliographiques." I think it advisable to publish these notes, as further explaining the transaction. It is to be understood that this copy forms two volumes—one, Temminck's, without the main text, and with the plates uncolored, but with all the suppressed pieces of the work; the other, Knip's, with the substituted titles and discourse, the main text, and the plates colored. (The plates were issued in two series, colored and plain.) The following is Hazard's MS.:—

"NOTES

Bibliographiques sur l'exemplaire de l'Histoire Naturelle des Pigeons, que j'ai dans ma Bibliothèque.

"Cet exemplaire est unique, non seulement par les différentes pièces qu'il contient, qui l'ont fait diviser en deux volumes; mais encore par la beauté des épreuves des doubles figures, et par les portraits qui y ont été ajoutés.

"On sait que cet ouvrage a été rédigé, pour le texte, par *M. Temminck*, et pour les figures, par *Mademoiselle Pauline de Courcelles*, depuis *Madame Knip*; que ce ne devait être que la première partie d'un ouvrage plus considérable (*l'Histoire Générale des Pigeons et des Gallinaeés*), qui devait avoir trois volumes; que d'après les arrangemens particuliers des auteurs, *Madame Knip* est demeurée propriétaire de l'ouvrage des Pigeons; qu'elle y a fait des suppressions et des additions pour ne conserver que ce qui était relatif aux Pigeons, et qu'il n'y a eu qu'un petit nombre d'exemplaires (douze) délivrés au Public, tels qu'ils étaient extraits des mains de *M. Temminck*, d'après le plan général de l'ouvrage; on trouvera ces détails dans la réclamation de *M. Temminck*, . . .

"Voici la note des pièces qui composent les deux volumes.

"1^{er} Volume. [Temminck's.]

"1^o. Faux titre général de l'ouvrage *Histoire Naturelle des Pigeons et des Gallinaeés*, au verso est jointe une lettre autographe de *Madame Knip*, née *Pauline de Courcelles*, qui m'envoie les pièces qui ont été supprimées: un feuillet. [La lettre a été retirée plus tard.—E. C.]

"2^o. Réclamation de *M. Temminck*, contre *Madame Knip*, pièce manuscrite, extraite du tome troisième de *l'Histoire Naturelle générale des Pigeons et des Gallinaeés*, en trois volumes in-8°, 1813-1815: une feuille.

"3^o. Avis au Relieur sur les pièces à supprimer et à remplacer par d'autres: un feuillet.

"4^o. Faux titre général et titre de l'ouvrage. . . . Ces titres ont été supprimés plus tard: une feuille, 4 pages.

"5^o. Un très beau portrait de Louis Napoleon, roi de Hollande, dessiné par Grégorius

1808-11. TEMMINCK, C. J., or KNIP, Madame—Continued.

d'après la buste de *Castellier*, gravé par *L. C. Ruotte*, et auquel *M. Temminck* avait dédié son ouvrage: un feuillet, 2 pages.

"6°. Épître dédicatoire de *M. Temminck*, au roi de Hollande, supprimée à tous les exemplaires, par l'auteur lui-même: un feuillet, 2 pages.

"7°. Introduction de *M. Temminck*, sur l'ordre générale des Gallinacés; sur la dernière page, est l'*extrait du Rapport fait à l'Institut national, classe des sciences physiques et mathématiques*, par *MM. Lacépède et Cuvier*, sur les figures coloriées de *Mademoiselle Pauline de Courcelles*. L'introduction étant générale a été supprimée dans l'histoire des Pigeons: 10 pages.

"8°. Discours sur l'ordre des Pigeons: 16 pages. Ce discours, paginé 7-22, devait faire suite aux 6 pages du titre et de l'épître dédicatoire; l'introduction qui le précède y avait été ajoutée après l'impression. Il a aussi été supprimé et remplacé par un autre, extrait de celui-ci, que l'on trouvera indiqué dans le volume suivant.

"9°. 87 planches des Pigeons, figures noires, avant la lettre, exemplaire d'amateur: épreuves que *Madame Knip* a bien voulu me choisir et sur lesquelles elle a mis, elle-même, les noms des Pigeons, au crayon. J'ai divisé les trois sections par des titres séparés: Les Colombars, Les Colombes, Les Colombi-Gallines.

"10°. Index (ornithologique): 16 pages. Cet Index a aussi été supprimé.

"11°. Table: une feuille. Cet Table indiquant les pièces supprimées, a été supprimé aussi et réimprimé pour le volume suivant.

"12°. Enfin, j'ai conservé à ce volume, soit en tête, soit à la fin, les titres-enveloppes des huit premières livraisons, qui portent le premier titre d'Histoire naturelle des Pigeons, sous les dates 1809-1811. Ce n'est qu'à la neuvième livraison que *Madame Knip* les a changés ainsi qu'ils sont dans le second volume.

"2^e Volume. [Knip's.]

"1°. Nouveau Faux-Titre, Les Pigeons, et Titre du volume . . .; un feuillet, 4 pages.

"2°. Un très beau portrait, en couleurs, de Marie-Louise, archiduchesse d'Autriche, Impératrice de France, Reine d'Italie, dessiné d'après le buste de *Bosio*, par *Durand Duclos*, gravé par *L. C. Ruotte*: L'Ouvrage lui avait été présenté par *Madame Knip*, et avait valu à cette dernière le titre du premier peintre d'Histoire Naturelle de Sa Majesté. Ce portrait a été ajouté par moi.

"3°. Le nouveau *Discours sur l'ordre des Pigeons*, 14 pages; on trouve sur la quatorzième l'*extrait du Rapport de l'Institut* qui, dans le volume précédent, est à la suite de l'Introduction supprimée.

"4°. Les 87 figures coloriées des Pigeons formant les trois séries, épreuves que *Madame Knip* a bien voulu me choisir, elle-même; elles sont placées en face de leurs descriptions, dans le texte.

"5°. Le texte, commençant page 23, avec les Colombars, première division, et faisant suite au *Discours sur l'ordre des Pigeons*, du volume précédent, finit page 41; quelques erreurs typographiques dans la pagination ont été corrigées avec soin, à la plume. Le texte recommence page 1, avec les Colombes, deuxième division, et se termine page 128. Il recommence encore page 1, avec les Colombi-Gallines, troisième division, et finit page 30.

"La différence de pagination du texte avec les pièces liminaires de ce volume, résultant du pièce supprimée, du volume précédent, a été indiqué par *Madame Knip* comme une faute d'impression, au verso du faux titre.

"6°. La table, qui a été réimprimée, et qui n'indique plus, en tête la Dédicace et l'Introduction, et à la fin l'Index ornithologique, qui ont été supprimés.

"7°. J'ai conservé aussi, à ce volume, comme au précédent, soit en tête, soit à la fin, les titres-enveloppes du livraison 9 à 15 et dernière, sous la date de 1811, qui diffèrent de ceux du précédent, par le titre nouveau, par plus d'étendue et plus d'ornemens typographiques."

The errors of pagination in the first set of pages, from 37 to 41, have been corrected so neatly with the pen in this copy that I cannot make out what they were. The series of plates is consecutive, 1 to 86, with 25 bis = 87; but pl. xxxiii is wrongly numbered xxxi, and pl. xivii is numbered lxxvii. The following is a list of the plates—those with the asterisk being *Temminck's* species:—

I. Colombars.—Pl. 1, 2, *Columba militaris**; 3, *C. australis*; 4, *C. psittacea**; 5, 6, *C. aromatica*; 7, *C. calva**; 8, 9, *C. abyssinica*; 10, 11, *C. vernans*.

II. Colombes.—Pl. 1, *Columba spadicea*; 2, *C. palumbus*; 3, 4, *C. oenea*; 5, *C. arquatrix**; 6, *C. armillaris**; 7, *C. littoralis**; 8, *C. chalcoptera*; 9, *C. cristata**; 10, *C. cariba*; 11, *C. oenas*; 12, *C. livia*; 13, *C. leucocephala*; 14, *C. speciosa*; 15, *C. portoricensis**; 16, *C. guinea*; 17, *C. madagascariensis*; 18, *C. gymnoptalmos*; 19, *C. francie*; 20, *C. rubricapilla*; 21, *C. auricularis**; 22, *C. elegans**; 23, *C. cincta**; 24, *C. rufina**; 25, 25 bis, *C. aurita**; 26, *C. javanica*; 27, *C. jambos*; 28, 29, *C. violacea**; 30, *C. melanoccephala*; 31, *C. larvata**; 32, *C. holosericea*; 33, *C. superba**; 34, 35, *C. purpurata*; 36, *C. tympanistra**; 37, *C. cærulea**; 38, 39,

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C. afra; 40, *C. bitorquata**; 41, *C. vinacea**; 42, *C. turtur*; 43, *C. tigrina**; 44, *C. risoria*; 45, *C. cambayensis*; 46, *C. alba**; 47, *C. malaccensis*; 48, 49, *C. migratoria*; 50, *C. carolinensis*; 51, *C. dominicensis*; 52, *C. maugeus**; 53, 54, *C. capensis*; 55, *C. erythroptera*; 56, *C. mystacea**; 57, *C. godefrida**; 58, *C. cinerea**; 59, *C. squamosa**.

III. Colombi-Gallines.—Pl. 1, *Columba coronata*; 2, *C. nicobarica*; 3, *C. cyanocephala*; 4, *C. montana*; 5, 6, *C. martinica*; 7, *C. erythrorax**; 8, 9, *C. cruenta*; 10, *C. frontalis**; 11, *C. carunculata**; 12, *C. talpacoti**; 13, 14, *C. passerina*; 15, *C. hottentota**; 16, *C. minuta*.

There is a continuation of this work, by Knip, text by Prévost, 1838-4, forming ostensibly a second volume.

1313-15. TEMMINCK, C. J. Histoire Naturelle Générale | des | Pigeons | et des | Gallinacés, | par | C. J. Temminck, | Chevalier de l'ordre Impérial de | la Réunion, Directeur de la | Société des Sciences à Harlem, | et Membre de plusieurs | sociétés d'histoire naturelle. | Ouvrage en trois volumes. | Accompagné de | Planches Anatomiques. | — | Tome Premier [Second, Troisième]. | — | à Amsterdam, | chez J. C. Sepp & Fils, | et à Paris, | chez C. Dufour, | 1813 [1815]. | à l'Imprimerie de H. O. Brouwer, heerenmarkt | No. 5. à Amsterdam. 3 vols. Svo. Vol. I, 1813, frontisp., pp. 1-499 + 1 p. Vol. II, 1813, pp. 1-477 + 1 p. Vol. III, 1815, 1 p. l., pp. 1-757 + 1 p., plll. i-xi.

The 1st vol. treats of the Pigeons, the other two of the *Gallinacæ* (incl. *Tinamidæ*, etc.); at end of 1st and 3d vol. is an "index", or synopsis of the species treated, with characters, synonymy, and habitat of each. The plates bound at end of 3d vol. pertain to vols. ii and iii; the frontisp. of vol. i to the *Columbæ*. This is a very well known and "standard" treatise.

Vol. I is really the text of Temminck's plates, *Hist. Nat. Génér. des Pigeons*, folio, Paris, 1808-1811 (for circumstances of the case see above). *Columba militaris*, p. 39; *psittacæ*, p. 47; *aromatica* var., p. 53; *calva*, p. 63; *arquatrix*, p. 93; *armillaris*, p. 97; *littoralis*, p. 99; *cristata*, p. 103; *picazuro*, p. 111; *maculosa*, p. 113; *gymnophthalmos* (sic), p. 225; *auricularis*, p. 236; *elegans*, p. 240; *cincta*, p. 243; *rufina*, p. 245; *aurita*, p. 247; *violacea*, p. 260; *larvata*, p. 267; *holosericea*, p. 269; *mystacea*, p. 275; *superba*, p. 277; *lympanistria*, p. 287; *cærulea* (sic), p. 290; *goffroyi* (sic), p. 297; *cinerea*, p. 299; *bitorquata*, p. 301; *vinacea*, p. 303; *picturata*, p. 315; *tigrina*, p. 317; *alba*, p. 333; *squamosa*, p. 336; *maugei*, p. 363; *erythrorax* (sic), 405; *carunculata*, p. 415; *talpacoti*, p. 421; *picui*, p. 435; *miniata*, p. 460; *brunnea*, p. 475—"mihî".

Vol. II. *Pavo cristatus primus*, p. 27; *Gallus sonneratii*, p. 246; *morio*, p. 253; *lanatus*, p. 256; *furcatus*, p. 261; *ceandatus* (sic), *primus*, p. 267; *macartneyi*, p. 273; *Phasianus colchicus hybridus*, p. 319; *torquatus primus*, p. 326; *satyrus*, p. 349; *Lophophorus refulgens*, p. 355; *Polyplectron chinquis*, p. 363; *Argus giganteus*, p. 410—"mihî".

Vol. III. *Pauxi galeata*, p. 1; *Pauxi mitu*, p. 8; *Crax rubra*, p. 21; *C. carunculata*, p. 44; *Pelelope parrakoua*, p. 85; *Tetrao saliceti*, p. 208; *Pterocles arenarius*, p. 240; *Pt. bicinctus*, p. 247; *Pt. quadricinctus*, p. 252; *Pt. setarius*, p. 256; *Pt. tachypetes*, p. 274; *Syrnhaptes pallasii*, p. 282; *Perdix clamator*, p. 298; *adansonii*, p. 305; *longirostris*, p. 323; *thoracica*, p. 335; *gularis*, p. 401; *oculea*, p. 408; *dentata*, p. 419; *borealis*, p. 436; *sonnini*, p. 451; *Coturnix perlata*, p. 470; *australis*, p. 474; *textilis*, p. 512; *excalfactoria*, p. 516; *grisea*, p. 523; *noræ guineæ*, p. 524; *Cryptonix* (sic) *coronatus*, p. 526; *rufus*, p. 534; *Tinamus rufescens*, p. 552; *maculosus*, p. 557; *tao*, p. 569; *undulatus*, p. 582; *adspersus*, p. 585; *obsoletus*, p. 588; *lataupa*, p. 590; *strigulosus*, p. 594; *nanus*, p. 600; *Hemipodius nigrifrons*, p. 610; *pugnax*, p. 612; *nigricollis*, p. 619; *thoracicus*, p. 622; *tachydromus*, p. 626; *maculosus*, p. 631; *fasciatus*, p. 634; *Turnix hottentottus*, p. 636—"mihî".

The majority of all the birds in these three volumes are thus described as new; a large part of the rest are credited to Latham. Temminck's names are barbarous in many cases, most of those given in the French vernacular being horrid; but that has always been the style with the French ornithologists.

Vol. III concludes with a statement from Temminck of the circumstances under which his folio work on the Pigeons appeared—which is not only important as a bibliographical matter, but delightful as a bit of gossip. In explanation both of the present publication and of the folio work on the Pigeons, I here give the substance of his grievance as set forth by him:

The present work, says Temminck, was intended to appear in folio, with colored plates. The first volume of the folio edition appeared at Paris in 1808 and was completed in 1811, under the direction of Mlle. Pauline de Conreelles, afterward Madame Knip, a very accomplished natural history artist, all of whose works attest her distinguished talents. This lady was charged with the supervision of the engraving, 47 drawings having been made by her from specimens of Pigeons in the Paris Museum, and 40 others copied by her from M. Prêtre's designs, the latter made under Temminck's supervision. The first livraison appeared in 1808, with the same general title as the present edition; Mlle. de Conreelles being properly credited with her part of the work in the following terms: "Aves figures en couleurs peintes par Mademoiselle Pauline de Conreelles, gravées, imprimées et retouchées sous sa direction."

1813-15. TEMMINCK, C. J.—Continued.

No sooner was the work completed than Madame Knip, "the ingrate", saw fit to replace the title with another in which she appeared as the author, her concoction being in the following terms: ". . . les Pigeons par Madame Knip, née Pauline de Courcelles, première peintre d'histoire naturelle de S. M. l'Impératrice et Reine. Le texte par C. J. Temminck [sic].—Se vend à Paris, chez l'auteur, Rue Serpentine, Musée des Artistes." She suppressed 40 pages of text, which would have told against her, and did the same for the 16 double-column pages of the Latin index. The work thus mutilated was presented to Queen Marie Louise, and secured for Mad. Knip some favors her ambition had long coveted. Nevertheless, to keep Temminck in the dark, the lady had the wit to send him some perfect copies, properly titled. It had been agreed that he was to have eight copies; these eight, he says, and four others which bear the date 1808 and have the Latin index, "sont les seuls approuvés par moi"—whence it appears that there are only twelve perfect and authorized copies of the folio work extant! The aggrieved author found out the artful woman's trick when he went to Paris to publish the part of the work relating to the *Gallinæ*; but it was too late. He could obtain no redress; the plot was backed up by royalty; journalists refused his "réclamations", even his reply to an article which the lady published—and which, I suppose, if I could lay my hands on it, would tell quite another story. Such, in brief, is Temminck's own version of the affair which determined him to publish the present 8vo ed. For further particulars relating to the folio work, see under that head, 1808-11.

1824. BOITARD, [P.] and CORBIÉ, —. Les Pigeons | de | Volière et de Colombier, | on | Histoire Naturelle et Monographie | des Pigeons domestiques. | renfermant | la nomenclature et la description de toutes les races | et variétés constantes connues jusqu'à ce jour; la | manière d'établir des colombiers et volières; d'élever, | soigner les pigeons, etc.. etc. | Dédiée a son Altesse Royale | Madame la Duchesse de Berry, | par MM. Boitard et Corbié. | Avec vingt-cinq figures de pigeons peints d'après nature. | A Paris. | Chez } Audot, Libraire-Éditeur, rue de Maçons-Sor. | bonne, n°. 11. | } Corbié, Oiselier de S. A. R. madame la duchesse | de Berry, quai de la Mégisserie, n°. 66. | — | 1824. 1 vol. 1 p. l., pp. i-vii, 1-240, pll. 1-25. + 1.

Histoire générale des pigeons—Origine des pigeons domestiques—Du croisement des races—Nourriture—Accouplement—De la ponte et de l'incubation—Des pigeonceaux—Du jeune pigeon et de la connaissance des sexes—Maladies des pigeons—Du colombier—Manière de peupler le colombier—Soins à donner au colombier—De la colombier—Ustensiles—De la volière—Soins à donner à la volière—Dégâts et utilité des pigeons.

Partie 2^e, Monographie des Pigeons de volière.—Pigeons de la première-vingt-quatrième race.—Colombes tourterelles.—Tourterelle des bois, à collier, et blanche.

1825. DESM[ARE]ST, [A. G.] Les Pigeons de volière et de Colombier, . . . ; par MM. Boitard et Corbié. . . . < *Féruss. Bull.*, 2^e sect., iv, 1825, pp. 258-260.

1827. AUDUBON, J. J. Notes on the Habits of the Wild Pigeon of America, *Columba* [Ectopistes] migratoria. < *Edinb. Journ. Sci.*, vi, 1827, pp. 257-265. (*Froriep's Notizen*, xvii, 1827, col. 257-262.)

Read before the Roy. Soc. Edinb., Feb. 19, 1827.

1827. L[UROTH], S. G. Observations sur les habitudes du Pigeon sauvage d'Amérique (*Columba* [Ectopistes] migratoria); par J.-J. Audubon. . . . < *Féruss. Bull.*, 2^e sect., xii, 1827, pp. 125, 126.

Précis, tiré de l'*Edinb. Journ. of Science*, vi, avril 1827, pp. 257-265.

1828. ANON. Sur les *Columba domestica*, livia et Amaliae; par M. Brehm. . . . < *Féruss. Bull.*, 2^e sect., xiv, 1828, pp. 260, 261.

Précis, tiré de l'*Isis*, xxi, 1828, pp. 136-141.

1828. BREHM, C. L. Ueber *Columba domestica*, livia et Amaliae. < *Oken's Isis*, Bd. xxi, 1828, pp. 136-141.

1829. [EDITORIAL.] Notice respecting a Pigeon which continued to live two days without Brain and upper part of Spinal Marrow. < *Edinb. New Philos. Journ.*, vii, 1829, p. 372.

Note on M. Desportes's communication to Acad. Sci. Paris.

1829. FLEMING, [J.] Description of the Passenger Pigeon [*Ectopistes migratorius*]. < *London's Mag. Nat. Hist.*, i, 1829, p. 488.

1829. "J. M." *Columba* [Ectopistes] *migratoria* (the Wild Pigeon). < *London's Mag. Nat. Hist.*, ii, 1829, pp. 369, 370.

Quotations from the Rochester, N. Y., *Genesee County Register*, Dec., 1828; *Susquehanna County Register*, May, 1829, and *New York Med. and Phys. Journ.*, ii, p. 210.

1832. ANON. Mode of decoying Wild Pigeons [Ectopistes *migratorius*] in New England. < *London's Mag. Nat. Hist.*, v, 1832, pp. 452, 453.

From *Silliman's Journal*.

1833. HUNT, J. [Note on the Breeding of the Passenger Pigeon (Ectopistes *migratorius*, Swains.), in the Society's Menagerie.] < *P. Z. S.*, i, 1833, p. 10.

1835. ANON. Passenger Pigeon [Ectopistes *migratorius*, at Baffin's Bay, lat. 73½° N.]. < *Edinb. New Philos. Journ.*, xx, 1835, p. 209.

From *Ross's Voyage*.

1835. ANON. The Carrier-Pigeon. A Society of Pigeon Fanciers, at Ghent, give an Annual Prize for the Best Carrier Pigeon. < *London's Mag. Nat. Hist.*, viii, 1835, p. 619.

1835. SELBY, P. J. The | Naturalist's Library. | Edited by | Sir William Jardine, Bart., | F. R. S. E., F. L. S., etc., etc. | Vol. IX. | — | Ornithology. | Pigeons. | By Prideaux John Selby, Esq., | F. R. S. E., F. L. S., M. W. S., etc., etc. | — | Edinburgh: | W. H. Lizars, [etc.] [1835.] 1 vol. sm. 12mo. Portrait of Pliny, eng. col'd title, contents, 1 leaf, pp. 17-252, cuts, pll. 1-30 (+ portrait and vignette = 32 pll.).

Being Vol. V of the general arrangement. "The Pigeons. . . are now, in accordance with their true affinities, admitted into the order of the Rasores, or Gallinaceous Birds, of which they form one of the five great groups or divisions, the other four being represented by the Pavonidae, Tetraonidae, Struthionidae, and Cracidae"—in spite of which opening, the book continues well.—Pl. 1, *Vinago aromaticæ*; 2, *V. oxyura*; 3, *Ptilinopus purpuratus*; 4, *P. monachus*; 5, *P. cyanovirens*; 6, *Carpophaga* (Selby, p. 112) *magnifica*; 7, *C. oceanica*; 8, *Columba phasianella*; 9, *C. spadicea*; 10, *C. dilopha*; vignette, *C. palumbus*; 11, *C.enas*; 12, *C. livia*; 13, var. *tremula latecunda*; 14, *C. cucullata jacobina*; 15, var. *gutturosa subrubicunda*; 16, *C. turcica*; 17, *Turtur risorius*; 18, *T. ? lophotes*; 19, *Ectopistes migratoria*; 20, *E. ? capensis*; 21, *Phaps* (Selby, p. 194) *chalcoptera*; 22, *Chæmepelia* (sic) *talpicoi* (sic); 23, *Peristera tympanistris*; 24, *P. jamaicensis* (named *rufaxilla* on pl.); 25, *P. martinica* (named *cuprea* on pl.); 26, *P. larvata*; 27, *Geophilus* (Selby, p. 214) *cyanocephalus*; 28, *G. carunculatus*; 29, *G. nicobaricus*; 30, *Lophyrus coronatus*. "Miscellaneous observations on the rearing, feeding, and management of domestic pigeons" concludes the volume.

1838-4-. KNIP, Madame, and PRÉVOST, F. Les Pigeons, | par Madame Knip, | née Pauline de Courcelles, | le texte par Florent Prévost, | Aide Naturaliste et Chef des Travaux Zoologiques au Muséum | d'Histoire Naturelle. | — | Tome Second. | — | A Paris, | Chez { M^{me} Knip, auteur des dessins, et éditeur,
Bellizard, Dufour et C^{ie}, Libraires, Rue
Rue de Bae, N^o 17. | — | Typographie de Firmin Didot Frères, Rue Jacob,
de Verneuil, 1 bis. | — | 56. [n. d. 1838-184-.] 1 vol. folio. Prel. title, 1 leaf; title, 1 leaf; table, 1 leaf (2 pages); text, pp. 1-113. Plates, 1-60, colored.

This is ostensibly Vol. II of the Temminck-Knip work; but, appearing many years afterward, with text by another person, it is in effect a different work altogether, though in continuation of the same subject, and prepared in the same style. The volume examined in the Libr. Phila. Acad. is bound uniform with Hazard's unique copy of Temminck-Knip; but unfortunately the cover-titles of the livraisons are not preserved, so that I cannot give the dates. It stands announced for 15 livraisons of 4 plates each, and, according to Engelmann, livrs. 1-12 appeared 1838-43.

The following is a list of the plates:

Pl. 1. *Columba puella*. 2. *leucotis*. 3. *zoeæ*. 4. *porphyria*. 5. *humeralis*. 6. *reincardesii*. 7. *humilis*. 8. *cyanovirens*. 9. *rufigaster*. 10. *sieboldii*. 11. *gularis*. 12. *olax*. 13. *lophotes*. 14. *pulchella*. 15. *pinon*. 16. *janthina*. 17. *viridis*. 18. *denisea*. 19. *dilophus*. 20. *dussumieri*. 21. *perlata*. 22. *boliviana*. 23. *xanthura*. 24. *oceanica*. 25. *magnifica*. 26. *venusta*. 27. *gelastes*. 28. *leucomela*. 29. *radiata*. 30. *oxyura*. 31. *modesta*. 32. *aynara*. 33. *scripta*. 34. *rosacea*. 35. *picturata*. 36. *ruficeps*. 37. *capistrata*. 38. *capellei*. 39. *picui*. 40. *luctuosa*. 41. *macquarii*. 42. *superba*. 43. *laurivora*. 44. *locutrix*. 45. *histrionica*. 46. *mandensis*. 47. *forsterii*. 48. *cruziana*. 49. *sphenura*. 50. *leuconota*. 51. *histrionica*. 52. *pha-*

1838-4-. KNIP, Madame, and PRÉVOST, F.—Continued.

sianella. 53. *monacha*. 54. *hyogaster*. 55. *Colombigallina linearis*. 56. *Columba mullerii*. 57. *rioolii* (nobis). 58. *plumifera*. 59. *nuna*. 60. *mayeri*.

In the text the species are only given under their French vernacular names. But the technical names are graven on the plates, and also given in the table.

1839. WEISSENBORN, [W.] [Letter relating to a Pigeon destitute of Organs of Vision. < *P. Z. S.*, vii, 1839, p. 175.1840. HUNTER, J. On a Secretion in the crop of breeding Pigeons, for the nourishment of their young. < *Obs. Anim. (Econ.*, Amer. ed., 1840, pp. 149-151. Orig. ed., 1786.1844. CABOT, S., JR. [Note on *Columba trudeaui*.] < *Proc. Boston Soc. Nat. Hist.*, i, 1844, p. 183.1847. MCCALL, G. A. Description of a supposed new species of *Columba* [*solitaria*], inhabiting Mexico, with some account of the habits of the *Geococcyx viaticus*, Wagler. < *Proc. Acad. Nat. Sci. Phila.*, iii, July, 1847, pp. 233-235.1847. MCCALL, G. A. Description of a supposed new species of *Columba* [*solitaria*] inhabiting Mexico. < *Am. Journ. Sci.*, iv, 1847, p. 421.

From *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, p. 233.

1850. [KIRTLAND, J. P.] Wild Pigeon—*Ectopistes migratoria*. < *The Family Visitor*, i, No. 17, 1850, p. 133.

1,285 netted one day near Circleville, Ohio.

1851. EATON, J. M. Dedicated to the young and inexperienced fancier | of the Almond Tumbler. | — | A | Treatise | on the art of | Breeding and Managing | the | Almond Tumbler. | — | By John Matthews Eaton | — | [Quotation.] | — | Published for the author, | 7, Islington Green, London. | — | 1851. 1 vol. 8vo. pp. i-vi, 7-49 + 1 p. Followed by Notes on a treatise on the art of breeding and managing the Almond Tumbler. By an old Fancier. pp. i-viii.

1851. HARTLAUB, "P." [i. e., G.] Sur une nouvelle espèce de Colombe [*Zenaida innotata*] de Chili. < *Rev. et Mag. de Zool.*, iii, 1851, p. 74.

1852. EATON, J. M. Dedicated to the young and inexperienced Fancier | of tame, domesticated, and fancy Pigeons. | — | A | treatise | on the art of | breeding and managing | Tame, Domesticated, and Fancy Pigeons, | carefully compiled from the best authors, with observations, containing | all that is necessary to be known of tame, domesticated, and fancy pigeons. | — | By John Matthews Eaton, | Author of the Almond Tumbler. | — | [Quotation.] | — | Published for, and to be obtained of, the author, | 7 Islington Green, London. | — | 1852. 1 vol. 8vo. pp. i-xxii, 23-88.

This is an annotated reprint of John Moore's *Columbarium* (London, 1735), the full title-page of which makes p. ix of the present tract, the preceding pp. being Eaton's preliminary matter. His annotations are in the form of foot-notes throughout the tract, sometimes occupying the whole page, as pp. 59, 60, 61. Moore's tract ends at p. 80, and Eaton's concludes the vol.

1852. EATON, J. M. [Plates accompanying a treatise on Fancy Pigeons, by J. M. Eaton.] 4to and fol. size. London: published Dec. 8, 1852. 6 plates, colored.

No title-page; plates not numbered. 1, Almond Tumbler, 4to; 2, Black Mottle, 4to; 3, Bald Head, 4to; 4, Beard, 4to; 5, Carrier, folio, folded. 6, Powder, folio, folded. I suppose these plates belong to Eaton's treatise of same date, *q. v.*, but there is nothing to show this.

1852. WOODHOUSE, S. W. Description of a new species of *Ectopistes* [*marginella*]. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 104, 105.1854-55. BONAPARTE, C. L. Coup d'œil sur l'ordre des Pigeons. < *Compt. Rend. de l'Acad. Sci.*, xxxix, 1854, pp. 869-880, 1072-1078, 1102-1112; xl, 1855, pp. 15-24, 96-102, 205-215.

1854.—*Phalacrotreron*, p. 872; *Buteron*, *Oreopus*, p. 873; *Osmotreron*, p. 874; *Leucotreron*, *Thouarsitreron*, *Lamprotreron*, p. 876; *L. apicalis*, p. 876; *Cyanotreron*, *Ramphiculus*, *Joteron*, *Kurutreron*, *Omeotreron*, p. 878; *O. batilda*, p. 878; *Globicera*, p. 1072; *G. tarrali*, *G. sundevalli*,

1854-55. BONAPARTE, C. L.—Continued.

G. rubricera, "Gray", p. 1073; *Carpophaga chalybura*, *C. ochropygia*, *Ptilocolpa*, p. 1074; *Pt. carola*, *Pt. griseispectus*, "Gray", p. 1075; *Ducula paulina*, "Temm.", *D. basilica*, "Temm.", *Hemiphaga*, p. 1076; *Myristicivora grisea*, "Gray", p. 1078; *Leucomelœna*, *Trocaza*, *Turturoœna*, p. 1104; *Stictœnas dilloni*, p. 1105; *Palumbœnas*, p. 1107; *Columba (Chlorœna) albilinea*, "Gray", p. 1108; *Chlorœnas spilodera*, "Gray", p. 1109; *Crossophtalmus reichenbachii*, p. 1110; *Macropygia doreya*, p. 1111; *M. carteretia*, *Turacœna*, *Reinwardtœna typica*, p. 1112.

1855.—*Streptopelia*, p. 17; *Aplopelia*, p. 18; *Chalcopelia*, p. 19; *Chamaepelia granatina*, *O. albivitta*, *C. trochila*, *C. amazilia*, p. 21; *Talpactotia*, p. 22; *Chamaepelia rufipennis*, Gray, *Ch. godinœ*, p. 22; *Columbula*, p. 22; *Metriopelia*, *M. gymnops*, Gray, p. 23; *M. inornata*, Gray, p. 24; *Scardafella*, *S. inca*, *Uropelia*, p. 24; *Zenaidura*, *Z. marginella*, p. 96; *Zenaida bimaiculata*, "Gray", *Z. hypoleuca*, Gray, *Z. ruficauda*, Gray, p. 97; *Z. pentheria*, *Z. stenura*, p. 98; *Leptoptila verreauxi*, *L. dubusi*, p. 99; *Geotrygon chrysia*, p. 100; *G. bourcierii*, *G. saphirina*, p. 101; *Osculatia*, *Starnoœnas*, p. 102; *Pampusana*, p. 207; *Chalcophaps augusta*, p. 209; *Ohrysaœœna*, p. 210; *Phapitreron amethystina*, p. 214; *Globicera microœra*, *Ducula pistrinaria*, p. 215.—Tableau! p. 212. (Coup de théâtre!! "À moi la cargaison"!!!)

1854. BONAPARTE, C. L. Coup d'œil sur les Pigeons. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 680, 681.

Résumé de la commencement de la troisième partie de son ouvrage présenté à l'Acad. de Paris, séance du 11 déc. 1854.

1854. DESPORTES, E. H. Observation de longévité d'un pigeon. < *Ann. des Sci. Nat.*, 4^e sér., ii, 1854, pp. 249-254.1855. GREENLEAF, P. H. Observations on the Flight of the American Passenger Pigeon [*Ectopistes migratorius*], at Madison, Ind., March, 1855. < *Proc. Bost. Soc. Nat. Hist.*, v, 1855, pp. 181, 182.1856. [BILLINGS, E.] On the Pigeon, (*Ectopistes Migratoria*.) < *Canad. Nat. and Geol.*, i, June, 1856, pp. 168-176.

Compilation from Wilson.

1856. BONAPARTE, C. L. Additions et Corrections au Coup d'œil sur l'Ordre des Pigeons, et à la partie correspondante du Conspectus Avium. < *Compt. Rend. de l'Acad. Sci.*, xliii, 1856, pp. 833-841, 942-949.

Thouarsitœron minor, *Drepanoptila*, p. 834; *Ducula concolor*, *Palumbus excelsus*, p. 836; *Trocaza bouvryi*, p. 837; *Columba eversmanni*, p. 838. Voir 1854-55, même auteur.

1856. BONAPARTE, C. L. Additions et corrections au Coup d'œil sur l'ordre des Pigeons et à la partie correspondante du Conspectus Avium. < *Rev. et Mag. de Zool.*, viii, 1856, p. 535, et pp. 538, 539.

Voici seulement la Note qui précède ces additions, et la conclusion générale.

1857-58. BONAPARTE, C. L. Iconographie | des Pigeons | non figurés par M^{me} Knip (M^{le} Pauline de Courcelles) | dans les deux volumes de MM. Temminck et Florent Prevost | par Charles-Lucien Bonaparte | — | Ouvrage servant d'illustration à son | Histoire Naturelle des Pigeons | — | Paris | P. Bertrand, Libraire-Éditeur | Rue de l'Arbre-sec, 22 | 1857 [1858]. 1 vol. in-fol. grand Jésus. Faux titre, 1 feuillet; titre, 1 feuillet; table des matières, 1 feuillet; avis de l'éditeur, 1 feuillet; lettre à Moquin-Tandon, 4 pages; Clavis systematis et Conspectus generum, 6 pages; 55 planches coloriées renfermant 66 figures, avec le texte non paginé, 59 feuillets. (Livraisons i-xii, 1857, 1858.)

"La quatrième livraison de notre Iconographie venait de paraître, lorsque la mort a frappé son savant auteur. Il n'y avait donc que 20 planches de publiées; mais nous avions entre les mains 35 lithographies prêtes, dont plusieurs déjà coloriées, et tous les dessins originaux, approuvés par le Prince, qui avaient servi ou devaient servir de modèles au coloriage. Nous avions aussi les descriptions correspondantes, les unes imprimées, les autres en cours d'épreuves. . . . Nous nous sommes trouvés possesseur des éléments de plus de sept nouvelles livraisons. Nous les avons publiées successivement, dans l'espace de dix mois. . . . M. Moquin-Tandon a bien voulu revoir toutes les épreuves, texte et planches. Réunies aux quatre premières, ces livraisons composent un total de 55 planches, renfermant 66 figures. . . . Comme trois de nos planches renferment deux espèces, et que nous avons donné dans la seconde livraison la *Lettre à M. Moquin-Tandon*, et dans la sixième le *Clavis Systematis*, le *Conspectus generum* et le *Conspectus geographicus*, les figures se sont trouvées en avance sur les descriptions. Force a été d'ajouter, pour compléter l'ouvrage, une douzième livraison

1857-58. BONAPARTE, C. L.—Continued.

sans Planches. Le nombre des Pigeons figurés dans cette *Iconographie* s'élève donc à 58. . . . Nous ferons observer que les espèces publiées par le Prince Charles Bonaparte appartiennent principalement aux premiers groupes de l'ordre des Pigeons, et forment aussi des séries complètes, par exemple, celles des Treronés et des Ptilopés." (*Acis de l'éditeur*, le 1^{er} juillet 1858.)

Owing to these circumstances the work is in fact an unfinished one. It was announced to appear in 30 livraisons, of 150 plates (5 to a livraison). Only 12, however, were published—4 in 1857, and the remaining 8 from Sept., 1857, to July, 1858. The numbering of the plates is with reference to the whole series of 150, only 55 of which appeared: and is consequently not continuous. The 55 plates are accompanied by about as many sheets of letter-press. The following is a list of them (I cannot separate them in sets according to livraisons, nor give exact dates: but the first 20 appeared in 1857, livrs. 1-4, and the remainder in 1857 and 1858):

Pl. 1. *Phalaerotreron delalandi*; a, *P. abyssinica*. 2. *P. crassirostris*. 3. *P. nudirostris*; a, *P. calva*. 4. *Sphenocercus apicaudus*. 5. *S. cantillans*. 6. *Treron cureirostra*. 7. *T. aromatica*. 8. *T. nepalensis*. 9. *Crocopus viridifrons*. 11. fig. 1, *Osmotreron pompadora*; fig. 2, *O. malabarica*. 12. *O. malabarica*. 13. *O. vernans*. 14. *Ramphiculus occipitalis*. 15. *Lamprotreron porphyrea*. 16. *Trerolama leclancheri*. 17. *Thouarsitreron leucocephala*. 18. *T. diadema*. 19. *Ptilopus purpuratus*. 20. *P. flaricollis*. 21. *P. swainsoni*. 22. fig. 1, *P. clementinae*; fig. 2, *P. meriei*. 23. *P. roseicapillus*. 24. fig. 1, *P. ewingi*; fig. 2, *P. clementinae*. 25. *P. greyi*. 26. *P. marie*. 28. *Iotreron viridis*. 29. fig. 1, *Kurutreron oopa*; fig. 2, *K. chrysogaster*. 31. *Chrysena luteovirens*. 32. *Erythroena madagascariensis*. 33. *Serresius galeatus*. 34. *Globiceera myristicivora*. 35. *G. pacifica*. 36. *G. microcera*. 38. *G. tarrali*. 39. *G. rubricera*. 40. *G. sundevalli*. 42. *Carpophaga chalybura*. 45. *O. perspicillata*. 51. *Ptilocolpa griseipectus*. 57. *Pulumbus torquatus*. 58. *P. casiotis*. 61. *Dendrotreron hodgsoni*. 62. *Leucomelena norfolciensis*. 69. *Trocaza laurivora*. 70. *T. bouveryi*. 75. *Columba rupestris*. 102. *Turtur isabellinus*. 116. *Osculatia sapphirina*. 119. *Leptoptila jamaicensis*. 121. *Talpocotia rufipennis*. 125. fig. 1, *Peristera cinerea*; fig. 2, *P. geoffroyi*. 126. *P. mondetoura*. 133. *Zenaidura auriculata*. 134. *Z. hypoleuca*. 140. *Didunculus strigirostris*.

The livraisons in which these plates and their accompanying text appeared may be seen by the table of contents in the work. They were published not in the above order nor in any other; nor did the sheets of text always appear with the plates to which they respectively pertain. The text is very briefly descriptive of the subjects of the beautiful plates.

1857. BREHM, C. L. Die | Naturgeschichte und Zucht | der Tauben | oder vollständige Beschreibung aller europäischen wilden und zah- | men Taubenarten und ihrer Abänderungen, ihrer Wohnorte | und Sitten, ihrer Nahrung und Fortpflanzung, ihrer Be- | handlung und Pflege, ihres Nutzens und Schadens, ihrer | Feinde und Krankheiten. | — | Für Taubenzüchter und Ornithologen | von | Christian Ludwig Brehm, | [etc.] | — | Weimar, 1857. | Verlag und Druck von Bernh. Friedr. Voigt. 1 vol. 8vo. 1 p. l., pp. i-xii, 1-177, + 1½ ll. advts.

Columbarum conspectus systematicus, pp. 7-13. The main part of the work is a complete treatment of each species and variety of European and domesticated Pigeon. Many varietal names of Brehm's occur, some doubtless new here; but it is seldom desirable and never necessary to cite his useless synonyms.

1858. [EDITORIAL.] Unusual migration of Wild Pigeons [*Ectopistes migratorius*]. < *Canad. Nat. and Geol.*, iii, 1858, pp. 150, 151.
1866. WYMAN, J. [Account of the dissection of a young domestic pigeon.] < *Proc. Boston Soc. Nat. Hist.*, xi, 1866, pp. 24, 25.
1867. HILL, R. Note on *Geotrygon sylvatica*, Gosse. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 130, 131.
- Habits; with suggested relation to *Didus*.
1867. NEWMAN, E. Notices of New Books. < *Zoologist*, 2d ser., ii, 1867, pp. 929-943.
- Review of Tegetmeier's 'Pigeons, their Structure, Habits and Varieties.'
1867. TEGETMEIER, W. B. Pigeons, their Structure, Habits and Varieties. By W. B. Tegetmeier, F. L. S. With Coloured Illustrations of the Varieties by Harrison Weir. London. Routledge. 1867. 8vo.
- Not seen. Cf. *Zoologist*, 2d ser., ii, 1867, pp. 929-943. The many domesticated breeds of *Columba livia* are very fully treated.
1868. HARRIS, E. D. The Structure, Flight and Habits of the different varieties of the Domesticated Pigeon. < *Proc. Boston Soc. Nat. Hist.*, xi, 1868, pp. 355-360.

1868. SCHLÄTER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidæ, Strigidæ, and Columbidae. < *P. Z. S.*, xxxvi, 1868, pp. 53-60, pl. v, woodcut.
The new Pigeons are described as *Leptoptila plumbeiceps* and *L. cerviniventris*, p. 59, and a synopsis of 8 spp. of the genus is given.
1868. VOIT, —. Beobachtungen nach Abtragung der Hemisphären des Grosshirns bei Tauben. < *Sitzungsber. Akad. Wissensch. München*, ii, 1868, pp. 105-108.
Not seen.
1869. VOIT, —. Observations sur l'ablation des hémisphères cérébraux des pigeons. < *Institut*, No. 1828, 12 Jan., 1869; *Ann. Sc. Nat.*, 5e sér., xi, pp. 90-92.
Not seen.
1871. SALVADORI, T. Nove specie di Uccelli dei generi *Criniger*, *Picus* ed *Homoptila* Nov. Gen. < *Atti della R. Acad. delle Scienze di Torino*, vi, 1871, pp. 128-132.
Homoptila decipiens, g. sp. n., p. 131, ex Brasiliâ.—Genus novum genere *Leptoptilæ* differt tantum remige prima apicem versus minime attenuata.
1872. ANON. Wild Pigeon [*Ectopistes migratorius*] roost in Maryland. < *Am. Sportsman*, ii, 1872, p. 42.
From *Baltimore Gazette*, Oct. 11, 1872.
1872. BAIRD, S. F. Restoration of excised brain in pigeons. < *Harper's New Monthly Mag.*, xlv, 1872, p. 632.
1873. ANON. Carrier Pigeons < *Forest and Stream*, i, Aug. 14, 1873, p. 5.
Use of these birds by newspapers.
1873. SANCHEZ, J., and VILLADA, M. M. Palomas viajeras [*Ectopistes migratorius*]. < *La Naturaleza*, ii, 1873, pp. 250-255.
Nota sobre las que ultimamente han emigrado a México; emigracion, descripcion, costumbres. Con noticia por el Sr. Don Ant. del Castillo.
1873. SCHLEGEL, H. Aves Columbæ. < *Mus. Nat. Hist. Pays-Bas*, 10e livr., mars, 1873, pp. 1-180.
This is one of the most extensive and elaborate monographs of the series. It treats of the Columbidae (including *Didunculus*) under the following genera: *Ptilopus*, 48 spp.; *Treron*, 24 spp.; *Columba*, 11 spp.; *Lepidoenas*, 6 spp.; *Stictoenas*, 7 spp.; *Janthoenas*, 7 spp.; *Chloroenas*, 8 spp.; *Carpophaga*, 32 spp.; *Macropygia*, 9 spp.; *Turtur*, 25 spp.; *Geopelia*, 7 spp.; *Peristera*, 22 spp.; *Chalcophaps*, 2 spp.; *Melopelia*, 2 spp.; *Phaps*, 7 spp.; *Henicophaps*, 1 sp.; *Phlegoenas*, 3 spp.; *Leptoptila*, 13 spp.; *Starnoenas*, 9 spp.; *Didunculus*, 1 sp.; *Goura*, 2 spp.; *Otidiphaps*, 1 sp.; *Caloenas*, 1 sp.
Ptilopus neglectus, p. 7; *P. cinctus lettiensis*, p. 35. *Columba palumbus himalayana*, p. 66. *Chloroenas fallax*, p. 80. *Carpophaga geelvinkiana*, p. 86; *C. luctuosa*, p. 102. *Macropygia reinwardtii minor*, p. 106; *M. turtur*, p. 110; *Turtur neglectus*, p. 122; *T. fallax*, 124; *Peristera lansbergii*, p. 139, spp. nn.
1874. ANON. Carrier Pigeons [employed as news-transporters]. < *Am. Sportsman*, v, Nov. 14, 1874, p. 99.
1874. ANON. Pigeon-catching. < *Am. Sportsman*, v, Oct. 10, 1874, p. 23.
Methods of netting *Ectopistes migratorius*; quoted from *Lewiston (Maine) Journal*.
1874. ANON. The Great Pigeon [*Ectopistes migratorius*] Roost of 1874. < *Am. Sportsman*, iv, 1874, p. 275.
Quoted from *New York World*.
1874. "A. G. D." Passenger Pigeons [*Ectopistes migratorius*]. < *Am. Sportsman*, iv, 1874, p. 298.
General discussion of breeding habits; and of decrease in numbers, supported by quotations and statistics.
1874. "F. P." Nesting of Wild Pigeons [*Ectopistes migratorius*, in Wisconsin]. < *Am. Sportsman*, iv, 1874, p. 171. See also p. 194.
1874. GARROD, A. H. On some Points in the Anatomy of the Columbæ. < *P. Z. S.*, xlii, 1874, pp. 249-259.
On the number of rectrices, and presence or absence of the oil-gland, the cæca, and the ambiens muscle. Classification of the group on these points. *Pterocles* and *Syrnhaptes* are included among *Columbæ*.

1874. HEDDON, J. Will pigeons [*Ectopistes migratorius*] play out? < *Am. Sportsman*, iv, 1874, p. 362.
Great diminution in numbers of *Ectopistes migratorius*.
1874. "H. K." The Wild Pigeon [*Ectopistes migratorius*]. < *Am. Sportsman*, iv, 1874, p. 387. See also pp. 171, 194, 243, 298, and 339.
1874. MOORE, J. Columbarium; | or, | The Pigeon-House: | being | an introduction | to a | Natural History | of | Tame Pigeons, | giving an | account of the several species known in England, | with the method of breeding them, their | distempers and cures. | — | [Quotation.] | — | By John Moore. | — | London: | Printed for J. Wilford, behind the Chapter-House in St. Paul's Church-Yard. | 1735. | — | Reprinted by Jos. M. Wade, | Fanciers' Journal Office, Philadelphia, 1874. 1 vol. 16mo. pp. i-x, 1-64 + 7 ll. advts., many cuts.
"Moore's work on Pigeons was, no doubt, the first, and is really the most important, work ever written on this subject, . . . 'The work is out of print [very naturally—1735], and very scarce, only two or three copies are known to be in existence at the present time.'
". . . in May, 1874, we began its publication in the columns of the *Fanciers' Journal*, which circumstance has created a demand for this reprint in book form.
"The original work was not illustrated; and, in order to make it more valuable to young fanciers, we have embellished it with a series of illustrations by that well-known artist, Mr. J. W. Ludlow." (*Extracts from American Publisher's Preface*).
There are many editions of the famous original, among them a literal reprint by Tegetmeier, 1879.
1874. LINCECUM, G. The Nesting of Wild Pigeons [*Ectopistes migratorius*]. < *Am. Sportsman*, iv, 1874, p. 194. See also pp. 171, 243, 298, 339, and 387.
Description of food and breeding habits.
1874. "M. T." Passenger Pigeons [*Ectopistes migratorius*]. < *St. Nicholas Mag.*, i, 1874, p. 15.
Migrations in Minnesota.
1874. SEARS, J. H. Breeding of Wild Pigeon [*Ectopistes migratorius*, in Essex County, Mass.]. < *Am. Sportsman*, iv, 1874, p. 155.
1875. ALIX, E. Garrod (A. H.): Sur quelques points de l'anatomie des Colombés. (Proceed. Zool. Soc. London, 1874, p. 249.) < *Ger. Journ. de Zool.*, —, 1875, pp. ———.
Résumé des observations de M. Garrod, insérées dans les *P. Z. S.*, 1874, pp. 249-259, q. v.
1875. ANON. A Pigeon [*Ectopistes migratorius*] Roost. < *Rod and Gun*, vi, Oct. 9, 1875, p. 27.
1875. CARLETON, J. F. The breeding habits of pigeons [*Ectopistes migratorius*]. < *Forest and Stream*, iv, Aug. 5, 1875, p. 406.
1875. "G. D. B." The pigeon [*Ectopistes migratorius*] roost near Corning [N. Y.]. < *Forest and Stream*, iv, May 27, 1875, p. 252.
1876. ADAMS, J. W. Wild pigeons [*Ectopistes migratorius*, yet numerous] in Massachusetts. < *Forest and Stream*, vii, Sept. 28, 1876, p. 116. See pp. 104, 184.
1876. ANON. [W. M. TILESTON.] Protecting wild pigeons [*Ectopistes migratorius*]. < *Forest and Stream*, vii, Oct. 26, 1876, p. 184. See p. 104.
1876. ANON. Homing Pigeons [exported from France to New York]. < *Rod and Gun*, viii, Aug. 19, 1876, p. 326.
Reprinted from "L'Epervier."
1876. GUNN, C. W. The *Ectopistes migratoria*, Sw. Wild Pigeon. < *Oölogist*, ii, No. 4, 1876, p. 29, 30.
1876. [INGERSOLL, E.] The Protection of Wild Pigeons [*Ectopistes migratorius*]. < *Forest and Stream*, vii, Sept. 21, 1876, p. 104. See p. 184.
Comments and statistics on the progressive destruction of this species.
1876. OWEN, T. M. Wild Pigeons [*Ectopistes migratorius*]. < *Rod and Gun*, viii, June 3, 1876, p. 148.
Statistics as to capture of living and dead specimens of this species in Ohio and Michigan for shooting matches and market.

1876. REID, P. Pigeons [*Ectopistes migratorius*].—Food in Crop. < *Rod and Gun*, vii, Jan. 8, 1876, p. 227. See also p. 277.
Explaining "rice" found in pigeon's stomachs, supposed by Audubon and others to prove enormous velocity of the bird's flight.
1876. STERLING, E. Passenger Pigeons [*Ectopistes migratorius*] and Rice. < *Rod and Gun*, vii, Jan. 29, 1876, p. 277.
Reply to Reid, concerning "rice in crops", and velocity of flight. See p. 227.
1876. "TOM TRAMP." A pigeon [*Ectopistes migratorius*] roost. < *Rod and Gun*, viii, June 3, 1876, p. 149.
Breeding of, and statistics of capture and decrease of this species in Illinois.
1877. COUES, E. *Melopelia leucoptera* in Colorado. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 83.
1877. COUES, E. *Leptoptila albifrons*, a Pigeon new to the United States Fauna. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 82, 83.
Taken in Texas by G. B. Sennett. Soon afterward made type of a new genus, *Æchmoptila*, Coues, *Bull. U. S. Geol. Surv. Terr.*, iv, No. 1, 1878, p. 48 (= *Engyptila*, Sundev., *Tentamen*, 1872, p. 156.)
1877. ROWLEY, G. D. *Geotrygon costaricensis* (Lawrence). < *Rowl. Orn. Misc.*, iii, pt. xi, Nov., 1877, pp. 43-46, pl. lxxxvii.
Copy of orig. descr. in *Ann. N. Y. Lyc.*, ix, 1868, p. 136, with a colored fig. of the bird, and notes by A. Boucard.
1878. FIROR, V. M. *Chamæopelia passerina*. < *Familiar Science and Fancier's Journ.*, n. s., v, Apr., 1878, p. 86.
1878. GRINNELL, G. B. The Ground Dove (*Chamæpeleia passerina*) in New York. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 147.
In New York City, Oct., 1862; specimen identified by J. W. Audubon; now first recorded.
1878. McL[ELLAN, I.] The Wild or Passenger Pigeon (*Columba* [*Ectopistes*] *migratoria*). < *Forest and Stream*, ix, Jan. 31, 1878, p. 488.
1878. OWEN, T. M. Among the Pigeons [*Ectopistes migratorius*, in Ohio]. < *Forest and Stream*, x, May 23, 1878, p. 297.
1878. ROWLEY, G. D. *Chlorœnas subvinacea*. Lawrence. < *Rowl. Orn. Misc.*, iii, pt. xii, Jan., 1878, pp. 75, 76, pl. xci.
Copy of orig. descr. in *Ann. N. Y. Lyc. Nat. Hist.*, ix, Apr., 1868, p. 135, with colored plate, and a note from A. Boucard.
1878. ROWLEY, G. D. *Geotrygon rufiventris*, Lawrence. < *Rowl. Orn. Misc.*, iii, pt. xii, Jan., 1878, pp. 77, 78, pl. xcii.
Copy of orig. descr. in *Ann. Lyc. Nat. Hist. N. Y.*, xi, 1875, with a colored plate, and note by A. Boucard.
1878. ROWLEY, G. D. *Leptoptila cassini*, Lawrence. < *Rowl. Orn. Misc.*, iii, pt. xii, Jan., 1878, pp. 79, 80, pl. xciii.
1878. STERLING, E. [Acorns of the black-jack oak as] Food of the Wild Pigeon [*Ectopistes migratorius*]. < *Forest and Stream*, x, Mar. 14, 1878, p. 95.
1879. KNAPP, H. Statement about the Wild Pigeon [*Ectopistes migratorius*]. < *Forest and Stream*, xii, Mar. 27, 1879, p. 146.
Taken from some Central New York newspaper, either Buffalo or Rochester, I think.
1879. MCQUILLEN, J. H. Recovery of all the Faculties in a Pigeon from which four-fifths of the upper portion of the Cerebrum had been removed. < *Proc. Acad. Nat. Sci. Phila.*, Oct., 1878, (pub. 1879), pp. 342-346.
1879. THOMPSON, F. J. Incubation [of *Ectopistes migratorius*] under Difficulties. < *Forest and Stream*, xii, May 8, 1879, p. 265.
Account of its breeding, in March, in an open air aviary in the Cincinnati Zoological Garden.

Cracidæ.

1733. PERRAULT, C. Description anatomique de trois Cocqs Indiens [Cracidæ]. < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusqu. 1699, iii, pt. i, 1733, pp. 221-231, pl. 33, 34.
Mitu-poranga of Maregrave.
1757. PERRAULT, C. Anatomische Beschreibung dreier indianischer Hühner [Cracidæ]. < *Abhandl. Königl. Französisch Akad.*, i, 1757, pp. 259—.
 Nicht mir selbst zugänglich: Titel aus Giebel. Uebers. d. *Mém. de l'Acad. Roy. Paris*, 1666-1699, iii. pt. i, 1733, pp. 221-231.
1830. WAGLER, J. Revisio generis Penelope. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1109-1112.
 Important: "may be regarded as the earliest scientific article (in a modern sense) upon this subject." Describes 18 spp., in three sections, A, B, C, corresponding exactly to the genera *Pipile*, *Penelope*, and *Ortalia*. "His excellent diagnoses materially assist us in identifying Spix's species." Seven new species are described, namely: *P. pileata* (Licht., M. B.), p. 1109; *P. purpurascens*, p. 1110; *P. albiventris*, *P. ruficeps*, p. 1111; *P. vetula*, *P. poliocephala*, *P. canicollis* (after Azara), p. 1112. All these are considered valid by Schlater and Salvin.
1831. ANON. Revue du genre Penelope; par M. Wagler. < *Féruss. Bull.*, 2^e sect., xxiv, 1831, pp. 367, 368.
 Ici se trouve seulement la description générique, avec une énumération des espèces: tirée de l'*Isis*, 1830, pp. 1109-1112, q. v.
1831. YARRELL, W. [On the Tracheæ of Cracidæ.] < *P. Z. S.*, i, 1831, pp. 33, 34.
Crax yarrelli, sp. n., p. 33, descr. nullâ. See Bennett, *Gard. and Menag. Zool. Soc.*, 1835, p. 227, where first described, and figured.
1831. YARRELL, W. [On the Sterno-tracheal Muscles of Ourax mitu.] < *P. Z. S.*, i, 1831, p. 59.
1833. PORTER, R. T. [Letter relating to Cracidæ from Caracas.] < *P. Z. S.*, 1833, p. 114.
1833. YARRELL, W. [On the Trachea of the Penelope Guan, Temm.] < *P. Z. S.*, i, 1833, p. 3.
1835. YARRELL, W. [Ueber die Luftrohre von Penelope Guan, Temm.] < *Oken's Isis*, 1835, p. 517.
 Nicht mir selbst zugänglich.—Aus d. *P. Z. S.*, 1833, p. 3.
1836. HERON, R. [On the breeding of Curassows (Cracidæ) in confinement at Stubton.] < *P. Z. S.*, iv, 1836, p. 1.
1836. HERON, R. [On the breeding of Curassows (Cracidæ) in confinement at Stubton.] < *Lond. and Edinb. Philos. Mag.*, ix, 1836, p. 141.
 From *P. Z. S.*, Jan. 12, 1836, p. 1.
1838. HERON, R. Brüten von *Crax rubra* im letzten Sommer. < *Oken's Isis*, Bd. xxxi, 1838, p. 168.
 Aus d. *P. Z. S.*, iv, 1836, p. 1.
1840. FREMBLY, J. [Notice of forwarding of Penelope pileata to the Society.] < *P. Z. S.*, viii, 1840, p. 131.
1842. CABOT, S., JR. [On the Paraqua Guan or Phasianus motmot.] < *Proc. Boston Soc. Nat. Hist.*, i, 1842, pp. 76, 77.
1846. HERON, R. [Note on the Genus Crax.] < *P. Z. S.*, xiv, 1846, p. 67.
1848. [JARDINE, W.] *Ortalia ruficauda*, Jardine. < *Jard. Contrib. Orn.*, 1848, pp. 16, 17, woodc. pl. iii.
 Anatomical.

1848. [JARDINE, W.] *Penelope cristata*. < *Jard. Contrib. Orn.*, 1848, pp. 16, 17, woodc. pl. viii.
Anatomical.
1850. FRASER, L. On new Birds in the Collection at Knowsley. < *P. Z. S.*, xviii, 1850, pp. 245, 246, pll. (Aves) xxv-xxix.
Palæornis derbianus, p. 245, pl. xxv; *P. erythrogyne*, p. 245, pl. xxvi; *Crax alberti*, p. 246, pl. xxvii, xxviii; *Penelope niger*, p. 246, pl. xxix. On these *Cracidae*, see *P. Z. S.*, 1870, p. 509.
1854. POMME, —. Sur les Hoccos et les Marails, extrait d'une lettre adressée à M. Is. Geoffroy Saint-Hilaire. < *Bull. Soc. Acclim.*, i, 1854, pp. 139-143.
1854. BARTHÉLEMY-LAPOMMERAYE, —. Note sur l'acclimation et domestication du Hocco [*Crax alector*]. < *Bull. Soc. Acclim.*, i, 1854, pp. 123-126.
1854. BARTHÉLEMY-LAPOMMERAYE, —. Sur la reproduction du Hocco en France, extrait d'une lettre adressée à M. Is. Geoffroy Saint-Hilaire: Addition à la note présentée à la Société zoologique d'acclimation dans la séance du 10 mars 1854. < *Bull. Soc. Acclim.*, i, 1854, pp. 406-408.
1857. MARTIN, L. Das klimatische Abändern der grossen süd- und mittelamerikanischen Hühner-Arten [*Crax*, *Urax*, *Penelope*]. < *J. f. O.*, v, 1857, pp. 70-72.
1858. BARTHÉLEMY-LAPOMMERAYE, —. Sur la reproduction du Hocco lettre adressée à M. le Président de la Société impériale zoologique d'acclimation. < *Bull. Soc. Acclim.*, v, 1858, pp. 483, 484.
1859. LE LONG, J. Extrait de la lettre de M. Le Long, membre de la Société, annonçant le don de plusieurs oiseaux [*Cracidae*]. < *Bull. Soc. Acclim.*, vi, 1859, p. 487.
1860. GRAY, G. R. Synopsis of the Species of the Genus *Penelope*. < *P. Z. S.*, xxviii, 1860, pp. 269-272.
14 spp. Diagnosis, synonymy, and habitat. *P. nigricapilla*, *P. lichtensteinii*, p. 269; *P. sclateri*, *P. bridgesi*, p. 270, spp. nn.
1860. SALVIN, O. History of the Derbyan Mountain-Pheasant (*Oreophasis derbianus*). < *Ibis*, ii, 1860, pp. 248-253.
1860. SCLATER, P. L. [Exhibition of specimens of *Oreophasis derbianus*, from the Volcan de Fuego, Guatemala.] < *P. Z. S.*, xxviii, 1860, p. 184.
1861. BARTHÉLEMY-LAPOMMERAYE, —. Ueber die Einführung und Zählung der Hoccos [*Cracidae*]. < *Zool. Gart.*, ii, 1861, pp. 110-112.
1861. KRÜGER, A. [Ueber *Penelope* sp.] < *Zool. Gart.*, ii, 1861, p. 133.
1861. POMME, —. Ueber die Hoccos und Jakhühner [*Cracidae*]. < *Zool. Gart.*, ii, 1861, pp. 163-165.
Bull. Soc. d'Acclim., i, 1854, pp. 139-143.
1862. BARTHÉLEMY-LAPOMMERAYE, —. Notice sur l'éducation du Hocco de la Guyane (*Crax globicera*). < *Bull. Soc. Acclim.*, ix, 1862, pp. 861-871.
1865. AQUARONE, P. Note sur l'éducation des Hoccos [*Cracidae*]. < *Bull. Soc. Acclim.*, 2^e sér., ii, 1865, pp. 449-462, fig.
1865. AQUARONE, P. Die Zucht der Hokkos [*Cracidae*]. < *Zool. Gart.*, vi, 1865, pp. 428-430.
Auszüge aus d. *Bull. Soc. d'Acclim.*, ii, 1865, pp. 449-462.
1866. AQUARONE, P. Notice complémentaire sur l'éducation des Hoccos [*Cracidae*]. Lettre adressée à M. le Directeur du Jardin d'Acclimation du Bois de Boulogne. < *Bull. Soc. Acclim.*, 2^e sér., iii, 1866, pp. 25-28.
1866. GRAY, G. R. On a New Species of *Penelope* [*greevii*], lately living in the Society's Gardens. < *P. Z. S.*, xxxiv, 1866, p. 206, pl. xxii.
1870. SCLATER, P. L., and SALVIN, O. Synopsis of the *Cracidae*. < *P. Z. S.*, xxxviii, 1870, pp. 504-544.

This is a very complete memoir, remaining to date the leading authority on the subject, as may be judged from the following synopsis:

§ 1. Introductory Remarks, p. 504: on the systematic position and relations of the family.

1870. SCLATER, P. L. and SALVIN, O.—Continued.

§2. Brief Chronological Account of the Writings of the Principal Authorities on the *Cracidae*, pp. 505-512: an analysis of the literature of the subject, noting principal articles in works of wider scope, as well as special papers. Of this I give the following condensation:

1766. LINN., *Syst. Nat.*, i. Five species: *Crax* (g. n.) *rubra*, *globicera*, —, —, and *Phasianus motmot*.
 1780 (about). *Pl. Enl.* 86 = *Crax daubentoni*; 125 = *C. globicera* ♀; 78 = *Pauxi galeata*; 338 = *Penelope marail*.
 1783. BODDAERT, *Tabl. P. E.* *Phasianus katraka* sp. n. = P. E. 146 = *Ortalida motmot*.
 1784. JACQUIN, *Beyt. Gesch. Vög.* *Crax cumanensis*, pl. 19; *C. pipile*, pl. 11.
 1786. MERREM, *Ic. Av.*, fasc. 2dus, p. 40. *Crax*, L.; *Penelope*, g. n., type *P. jacupema*; *Ortalida*, g. n., type *Phas. motmot*, L. [On this name, see especially WHARTON, *Ibis*, 1879, p. 459.] *P. jacupema* and *P. leucolophos* figured.
 1788. GMELIN, *Syst. Nat.* *Penelope eristata*, *P. cumanensis*, *P. marail*, *P. satyra* (a *Cerionis*), *P. vociferans*, *Phasianus paraka*.
 1790. LATHAM, *Ind. Orn.* *Crax galeata*, n. sp. = *C. pauxi*, L.
 1811. HUMBOLDT, *Rec. Obs. Zool.*, i, p. 4. *Phasianus garrulus* sp. n. (= *Ortalida garrula*.)
 1815. TEMM., *Pig. et Gall.*, vol. ii. *Pauxi*, g. n.; *Crax carunculata*, *Penelope obseura*, *P. superciliaris*, spp. nn.
 1823. TEMM., *Pl. Col.*, livr. 26. *Ourax* = *Pauxi*; *O. mitu* figured.
 1825. SPIX, *Av. Bras.*, vol. ii. *Crax fasciolata*, *urumutum*, *tomentosa*, *blumenbachii*, *globulosa*, *rubrirostris*, *tuberosa*, *Penelope jacuacu*, *jacucaca*, *jacutinga*, *jacupeba*, *jacupemba*, *guttata*, *araucuan*, described and figured.
 1828. LESSON, *Man. Orn.*, vol. ii. *Penelope aburri*, *Ortalida goudoti*, *Crax albin*, spp. nn.
 1830. WAGLER, *Revisio generis Penelope*. [See the paper in this Bibliography, ante, 1830.]
 1831. LESSON, *Tr. Orn.* *Mitu*, g. n., p. 485.
 1832. WAGLER, *Isis*. *Salpiza*, *Chamaepetes*, genn. nn.
 1833. MAXIMILIAN, *Beit. Naturg. Bras.* *Crax rubrirostris*, *Penelope superciliaris*, *P. leucoptera*, *P. araucuan*.
 1835. BENNETT, *Gard. and Menag. Zool. Soc.* Descr. and figs. of 6 spp.; *Crax yarrelli*, orig. descr., but see *P. Z. S.*, 1831, p. 33.
 1841. STRICKL., *Ann. Nat. Hist.*, vii. *Mitu*, Less., changed to *Mitua*, p. 36.
 1844. GRAY, *Gen. of B.*, iii. 34 + 3 spp. of *Cracidae*. *Oreophasis derbyanus*, g. sp. n., p. 485, pl. 121.
 1844-46. TSCHUDI, *Fn. Peru.* *Crax temminekii*, *Penelope aspersa*, *P. rufiventris*, spp. nn.
 1846. GRAY, J. E., *Knowsley Menag.* Four col'd pll. of *Penelope superciliaris*, *P. pileata*, *P. pipile*, *P. purpurascens*.
 1847. JARDINE, *Ann. Nat. Hist.* *Ortalida ruficauda*, sp. n.
 1850. FRASER, *P. Z. S.* *Crax alberti*, *Penelope nigra*, spp. nn.
 1852. REICHENBACH, *Av. Syst. Nat.* *Penelops*, *Aburria*, genn. nn.
 1856. BONAPARTE, *Compt. Rend.*, Tableaux Gallinacés. *Pipile* (g. n.) *argyrot*, *Ortalida montaguii*, spp. nn.
 1856. BURMEISTER, *Syst. Uebers. Th. Bras.*, vol. iii. On *P. nothierax*, g. n., p. 347.
 1858. PELZELN. *Penelope cujubi*, Natt. MS.
 1858. BAIRD, *Birds N. Amer.* *Ortalida maceallii*, sp. n.
 186-. REICHENBACH, *Vollst. Naturg. Tauben.* Four new spp. of *Crax*, one n. sp. of *Penelope* *Crax* divided into *Crax*, *Mituporanga* (g. n.), *Crossolaryngus* (g. n.), and *Sphaerolaryngus*; *Penelopsis* = *Penelops*, Reich., *Av. Syst. Nat.*; *Penelopina*, g. n.
 1866. GRAY, *P. Z. S.* *Penelope greyyi*, sp. n.
 1867. GRAY, *Gallinæ Br. Mus.* *Penelope jacuini*, *Ortalida superciliaris*, *O. bronzina*, *O. plumbeiceps*, *O. wagleri*, *O. cinereiceps*, *Crax selateri*, *C. daubentoni*, spp. nn.
 1867. SALVIN, *P. Z. S.* *Chamaepetes unicolor*, sp. n.
 1869. CABANIS, *J. f. O.* *Ortalida frantzii*, sp. n.

§3. Synopsis of the species of *Cracidae*, pp. 512-541. The 52 spp. known to the authors are divided into 3 subfamilies: 1) *Cracinae*, with 4 genera (*Crax*, *Nothoerax*, *Pauxi*, *Mitua*); 2) *Penelopinae*, with 7 genera (*Stegnolema* (g. n., p. 521), *Penelope*, *Penelopina*, *Pipile*, *Aburria*, *Chamaepetes*, *Ortalida* (*O. rufierissa*, sp. n., p. 538)); 3) *Oreophasinae*, 1 g. sp.—The species are elaborately worked up, with copious synonymy, diagnosis, distribution, and criticism.

§4. Geographical Distribution of the *Cracidae*, pp. 541-544.

1871. BURMEISTER, [H.] [Extracts from a letter on Messrs. Selater and Salvin's Synopsis of the *Cracidae* (*P. Z. S.*, 1870, p. 504).] < *P. Z. S.*, xxxix, 1871, pp. 701, 702 Relating chiefly to the geographical distribution of certain species.

1871. SCLATER, P. L. [On additions to the Society's Menagerie.] < *P. Z. S.*, xxxix, 1871, pp. 36, 37.

Pipile cumanensis.

1872. ANON. Les Marails. < *Bull. Soc. Acclim.*, 2^e sér., ix, 1872, p. 692.
1873. SCLATER, P. L. [Notice of a paper on the Curassows (Cracidæ).] < *P. Z. S.*, xli, 1873, p. 557.
1874. SUMMERHAYES, W. [Letter on Curassows (Cracidæ) met with in Venezuela.] < *P. Z. S.*, xlii, 1874, pp. 419, 420.
1875. FUNCK, N. [Letter stating *Pauxis galeata* var. *rubra*, of Tr. Zool. Soc., ix, pl. 53, to be true *P. galeata* ♀.] < *P. Z. S.*, Nov. 16, 1875, p. 566.
1877. GADOW, H. Anatomische Beschreibung der Hoccohühner (Cracidæ Vig.). < *J. f. O.*, Apr., 1877, pp. 181-190.
1877. ROWLEY, G. D. [Note on the egg of *Pauxis galeata*.] < *P. Z. S.*, Nov. 6, 1877, p. 684.
1878. SCLATER, [P. L.] [Notice of supplementary Memoir on the Cracidæ.] < *P. Z. S.*, June 18, 1878, p. 656.
To be pub. in *Trans. Zool. Soc.*
1879. REINHARDT, J. [Letter relating to *Mitua salvini*, Reinhardt, Vid. Medd. Nat. For. i Kjöbenh., Jan. 8, 1879.] < *P. Z. S.*, Feb. 4, 1879, pp. 108, 109.
Remarks by Mr. Sclater agreeing to the validity of the curious species, and placing it next to *M. tomentosa*, with the differential characters.

Bull. v, 4—19

Meleagrididæ.

1699. FLOYER, J. A Relation of two Monstrous Pigs, with the resemblance of Humane Faces, and two young Turkeys [*Meleagris gallopavo*] joined by the Breast. < *Philos. Trans.*, xxi, 1699, pp. 431-435.
1781. PENNANT, T. An Account of the Turkey [*Meleagris gallopavo*]. < *Philos. Trans.*, lxxi, pt. i, 1781, pp. 67-81, pl. iii.
Very complete. The pl. represents a malformation of the leg.
1789. ÖDMANN, S. Om en Kalkoutupp [*Meleagris gallopavo*], som utlegat Hönsågg. < *Kongl. Vetensk.-Acad. Nya Handl.*, x, 1789, pp. 236-238.
Anmärkning därvid af G. v. Carlson, *ibid.*, p. 239.
1789. CARLSON, G. v. Anmärkning [om en Kalkoutupp (*Meleagris gallopavo*), som utlegat Hönsågg]. < *Kongl. Vetensk.-Acad. Nya Handl.*, x, 1789, p. 239.
1791. BARTRAM, W. [The Wild Turkey of the United States binomially named *Meleagris occidentalis* at p. 83, *M. americanus* at p. 290 bis.] < *Trav. in Fla.*, etc., orig. ed., 1791, pp. 83 and 290 bis.
Though not properly citable as a separate article, I introduce this title to give the reference to the original names and descriptions of the bird—the name *M. gallopavo* L. being based upon the domestic race, subsequently renamed *M. mexicana* by Gould.
1799. ÖDMANN, [S.] Remarkable Instance of a Turkey Cock [*Meleagris gallopavo*] hatching Eggs. < *Tilloch's Philos. Mag.*, iii, 1799, pp. 309, 310.
Af *Kongl. Vetensk.-Acad. Nya Handl.*, x, 1789, pp. 236-238.
1805. [BARTON, B. S.] [On the occurrence of two distinct species of *Meleagris* in North America.] < *Barton's Med. and Phys. Journ.*, part i, vol. ii, 1805, pp. 162, 163.
Referring to a memoir read before the Amer. Philos. Soc., in which the author shows that there are two distinct species of *Meleagris*—one, the common domesticated Turkey, *M. gallopavo* of Linneus, "which was altogether unknown in the countries of the old world before the discovery of America": the other, "the common wild Turkey of the United States," to which the author of the memoir gives the name of *Meleagris palawa*, sp. n. After Bartram's notice of 1791, Barton's is the earliest to decide upon the existence of two species.
1805. [BARTON, B. S.] [On the food of the common wild Turkey of the United States, *Meleagris palawa*.] < *Barton's Med. and Phys. Journ.*, part i, vol. ii, 1805, pp. 163, 164.
1815. CLINTON, DE WITT. An Introductory Discourse delivered on the 4th of May, 1814. < *Trans. Lit. and Philos. Soc. New York*, i, 1815, pp. 21-184. > Note S, pp. 125-128.
Note S, appended to the discourse, treats of the origin of the domestic Turkey, *Meleagris gallopavo*.
1820. CUVIER, G. Description d'une nouvelle espèce de dindon de la baie de Honduras. (*Meleagris ocellata*. Cuv.) < *Mém. du Mus. d'Hist. Nat.*, vi, 1820, pp. 1-4, pl. i.
La notice de cette espèce se trouve reproduite dans les *Ann. Génér. Sc. Phys.*, vii, 1820, pp. 145, 146; Brugnatelli, *Giorn. di Fis.*, iv, Dec. 2, 1821, p. 164.
1826. BONAPARTE, C. L. Ueber den wilden Trutzhahn [*Meleagris americana*]. < *Frobie's Notizen*, xiii, No. 275, 1826, pp. 165-170.
Nicht mir selbst zugänglich: Titel aus Carus and Engelmann.—Wahrscheinlich einer Auszug aus dessen *Amer. Ornith.*
1832. AXON. Turkeys [*Meleagris gallopavo*] eat Caterpillars which feed on Tobacco; and Hogs eat the poisonous Root of Cassava (*Janiapha manihot*). < *London's Mag. Nat. Hist.*, v, 1832, pp. 472, 473.
1836. HILDRETH, S. P. [Wild Turkeys (*Meleagris americana*) in the Kanawha Valley, Virginia.] < *Sillim. Am. Journ. Sci.*, xxix, 1836, p. 85.

1837. OWEN, RICHARD. [Dissection of the head of the Common Turkey (*Meleagris gallopavo*).] < *P. Z. S.*, v, 1837, pp. 34, 35.
With that of *Cathartes aura*.
1839. OWEN, RICHARD. [Geruchsnerven des Truthuhns (*Meleagris gallopavo*).] < *Oken's Isis*, Bd. xxxii, 1839, p. 144.
Auszug aus d. *P. Z. S.*, v, 1837, pp. 34, 35.
1842. CABOT, S., JR. [On *Meleagris ocellata*.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1842, pp. 73, 74.
1842. CABOT, S., JR. [Remarks on *Meleagris gallopavo*, etc.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1842, pp. 80, 81.
1842. CABOT, S., JR. Observations on the characters and habits of the Ocellated Turkey, (*Meleagris ocellata*, Cuv.) < *Journ. Bost. Soc. Nat. Hist.*, iv, pt. ii, 1842, pp. 246-251.
1844. GÉRARD, —. Notice sur les Dindons [*Meleagris gallopavo*]. Paris. 1844. 8vo. pp. 12.
Pas vue moi-même: le titre tiré de Carus et Engelmann.
1848. FISHER, W. R. On the supposed Occurrence of Turkeys' [*Meleagris gallopavo*] Bones at Lough Gûr. < *Zoologist*, vi, 1848, pp. 2064, 2065.
1849. CHEVASSU, F. Nouvel art d'élever, de multiplier et d'engraisser les Dindons [*Meleagris gallopavo*], contenant . . . Paris. Tissot. 1849. 18mo. pp. 36.
Pas vu moi-même: le titre tiré de Carus & Engelmann.
1856. GOULD, J. On a new Turkey, *Meleagris mexicana*. < *P. Z. S.*, xxiv, 1856, pp. 61-63.
Subsequently determined to be the stock whence the domestic bird descended, and hence a synonym of *M. gallopavo* Linn.
1856. GOULD, J. A new species of Turkey [*Meleagris mexicana*] from Mexico. < *Am. Journ. Sci.*, xxii, 1856, p. 139.
From *P. Z. S.*, 1856, pp. 61-63.
1856. [GOULD, J.] A new Species of Turkey [*Meleagris mexicana*] from Mexico. < *Edinb. New. Philos. Journ.*, n. s., iv, 1856, pp. 371, 372.
From *Am. Journ. Sci.*, xxii, July, 1856, p. 139; this from *P. Z. S.*, 1856, pp. 61-63.
1857. BRYANT, H. [On the supposed new species of Turkey (*Meleagris mexicana*) recently described by Mr. Gould.] < *Proc. Bost. Soc. Nat. Hist.*, vi, 1857, pp. 158, 159.
1857. [FROST, J.] Der Indianer und der wilde Truthahn [*Meleagris americana*]. < *Interessante Abenteuer unter den Indianern*, n. s. w., Phila., 1857, pp. 251-254.
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The work is not paged nor are the plates numbered: the only clue to the plates is the printed list. This may be conceded to be the most superb, as it is also the most extensive, of Mr. Elliot's great Iconographies. Among the birds represented are some of the most gorgeous objects in ornithology. The plates of *Pavo muticus* and *Meleagris ocellata* are incomparable except with some of the other splendid effects of Wolf's art.

The Introduction goes quite fully into the history of the family, their geographical distribution, etc.

Vol. I.—Plates 1, 2. Generic details. 3. *Pavo cristatus*. 4. *P. nigripennis*. 5. *P. muticus*. 6. *Polyplectron thibetianum*. 7. *P. bicalcaratum*. 8. *P. germaini*. 9. *P. emphanum*. 10. *P. chalcurom*. 11. *Argus giganteus*. 12. *A. grayi*. 13. Feathers of *A. ocellatus* and *A. bipunctatus*. 14. *Crossoptilon thibetianum*. 15. *C. drouyni*. 16. *C. mantchuricum*. 17. *C. auritum*. 18. *Lophophorus impeyanus*. 19. *L. lhuysi*. 20. *L. sclateri*. 21. *Tetraophasis obscurus*. 22. *Cerionis satyra*. 23. *C. melanocephala*. 24. *C. temmincki*. 25. *C. caboti*. 26. *C. blythi*. 27. *Pucrasia macrolopha*. 28. *P. duvaucii*. 29. *P. xanthospila*. 29 bis. *C. darwini*. 30. *Meleagris gallopavo*. 31. *M. mexicana*. 32. *M. ocellata*.

Vol. II.—Pl. 1. *Phasianus shawi*. 2. *P. colchicus*. 3. *P. insignis*. 4. *P. mongolicus*. 5. *P. torquatus*. 6. *P. formosanus*. 7. *P. decollatus*. 8. *P. elegans*. 9. *P. versicolor*. 10. *P. wallchii*. 11. *P. reevesi*. 12. *P. soemmerringi*. 13. *P. soemmerringi* var. *scintillans*. 13 bis. *Calophaps cilioti*. 14. *Thaunalea amherstiae*. 15. *T. picta*. 16. *T. obscura*. 17. Hybrid. 18. *Euplocamus albocristatus*. 19. *E. melanotus*. 20. *E. horsfieldi*. 21. *E. nycthemerus*. 22. *E. andersoni*. 23. *E. lineatus*. 24. *E. praelatus*. 25. *E. swinhoei*. 26. *E. ignitus*. 27. *E. nobilis*. 28. *E. erythrophthalmus*. 29. *E. pyronotus*. 30. *Ithaginis cruentus*. 31. *I. geoffroyi*. 32. *Gallus ferrugineus*. 33. *G. lafayetii*. 34. *G. sonnerati*. 35. *G. varius*. 36. *Phasidus niger*. 37. *Agelastes meleagrides*. 38. *Acryllium vulturinum*. 39. *Numida meleagris*. 40. *N. coronata*. 41. *N. nitrata*. 42. *N. ptilorhyncha*. 43. *N. granti*. 44. *N. verreauxi*. 45. *N. cristata*. 46. *N. pucherani*. 47. *N. plumifera*.

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- The second of the author's well-known series of magnificent monographs, succeeding that of the *Pittidæ*. The work is modelled after the plan of Mr. Gould's various folio publications. It originally appeared in 5 parts—parts i, ii, 1864; iii-v, 1865. Twenty-three species are treated, under 10 genera. The apparently new names proposed were previously established by the author in the *Proc. Phila. Acad.*, 1864, p. 23. Pl. 1, *Bonasa umbellus*; 2, *B. umbelloides*; 3, *B. sabinei*; 4, *B. sylvestris*; 5, *Tetrao urogallus*; 6, *T. urogalloides*; 7, *Dendragapus obscurus*; 8, *D. richardsonii*; 9, *Canace canadensis*; 10, *C. franklinii*; 11, *Falcapennis hartlaubi*; 12, *Lyrurus tetrix*; 13, *Centrocercus urophasianus*; 14, *Pedieetes* (sic—lege *Pediacetes*) *columbianus*; 15, *P. phasianellus*; 16, *Cupidonia cupido*; 17, 18, *Lagopus albus*; 19, *L. scoticus*; 20, *L. persicus*; 21, 22, *L. mutus*; 23, *L. rupestris*; 24, *L. hyperboreus*; 25, *L. leucurus*; 26, 27 (marked i, ii), eggs of 17 species. The plates of Part I were Nos. 13, 7, 14, 10, 2, 25; of Pt. II, 3, 9, 12, 15, 4, 19; Pt. III, 16, 5, 8, 20, 17, 18; Parts IV and V, published together, contained the rest. The above numeration of the plates is according to a sheet of letter-press introduced with the completion of the work, in 1865; the sequence indicated being different from that in which they first appeared. The title is quoted from the made-up vol. Cf. *Ibis*, 1865, pp. 228, 345; 1866, pp. 213, 214; *Zool. Rec.* for 1864 and for 1865.
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1871. JAYCOX, T. W. [*Bonasa jobsii*, n. sp.] < *Cornell Era* (newspaper of Ithaca, N. Y.), iv, Dec. 8, 1871, p. 182.
- Cf. *op. cit.*, Jan. 19, 1872; *Am. Nat.*, vi, 1872, pp. 172, 300, 303; *Ibis*, 1872, p. 191.
1871. NEWTON, A. [On the specific validity of *Lagopus hemileucurus*.] < *Ibis*, 3d ser., i, 1871, p. 249.
1871. NEWTON, A. On certain species of Falconidæ, Tetraonidæ, and Anatidæ. [Communicated by Mr. Coues.] < *Proc. Acad. Nat. Sci. Phila.*, July 4, 1871, pp. 94-100.

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1872. [ALLEN, J. A.] Ornithological Blunders [*Bonasa jobsii*]. < *Am. Nat.*, vi, 1872, pp. 303, 304.
Ref. to *op. cit.*, vi, 1872, p. 172, on *Bonasa jobsii*; supplemented by editorial comments.
1872. ANON. Grouse [*Cupidonia cupido*]-shooting in Iowa. < *Am. Sportsman*, ii, 1872, p. 34.
1872. [COUES, E.] An Ornithological Blunder [*Bonasa jobsii*]. < *Am. Nat.*, vi, 1872, pp. 172, 173.
Editorial publication of extracts from a letter relating to *Bonasa jobsii*, Jaycox, *Cornell Era*, iv, Dec. 8, 1871, p. 182.
1872. "DOGWHIP." [SMITH, L. H.] Destruction of the Pinnated Grouse [*Cupidonia cupido*]. < *Am. Sportsman*, ii, 1872, p. 37. See also pp. 60, 84, 98, 116, 131, 151.
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Letters from S. F. Baird, E. Coues, and other contributions to the subject, with reference to *Am. Nat.*, vi, 1872, p. 172.
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Extracted from *Blackwood's Magazine*. Increase of Grouse on Yorkshire moors caused by the custom of "driving".
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Quoted from "Poultry Bulletin"; domestication of this species deemed impracticable.
1873. COLLET, R. [Bastard von *Lagopus lapponicus* \times *Tetrao tetrix*.] < *Bericht über d. xx. Versamml. d. deutschen Orn.-Ges.*, 1873, p. 27.
1873. GOEBEL, H. Einige Worte über den Farbenwechsel des *Lagopus albus*. < *J. f. O.*, 1873, pp. 422-425.
1873. [GRINNELL, G. B.] A Day with the Sage Grouse [*Centrocercus urophasianus*]. < *Forest and Stream*, i, Nov. 6, 1873, p. 196.
1873. "OLD HAND." Pinnated Grouse (*Cupidonia cupido*) shooting in Iowa. < *Forest and Stream*, i, Dec. 4, 1873, p. 268.
1873. RIDGWAY, R. The Grouse and Quails of North America. Discussed in relation to their variation with habitat. < *Forest and Stream*, i, Dec. 18, 1873, pp. 289, 290.
1873. "V." A Rare case of Albinoism [in *Cupidonia cupido*]. < *Am. Sportsman*, iii, 1873, p. 75.
Six out of a brood of fourteen having albinistic marks.
1873. WHITE, J. Canadian Partridge [*Canace canadensis*]. < *Am. Sportsman*, ii, 1873, p. 171. See also ensuing paragraph.
Instances of poisoning following the eating of the flesh of this species.
1874. ANON. Importation of pinnated and ruffed grouse [*Cupidonia cupido* and *Bonasa umbellus*] into England. < *Forest and Stream*, ii, April 16, 1874, p. 152. See also p. 233.
1874. ANON. [EDITORIAL.] Prairie Fowl [*Cupidonia cupido*] in England. < *Forest and Stream*, iii, Aug. 20, 1874, p. 24. See Vol. ii, p. 408.
Failure to introduce them into England, and comments thereon.
1874. ANON. The pinnated grouse [*Cupidonia cupido*] in England. < *Forest and Stream*, ii, Aug. 6, 1874, p. 408. See Vol. iii, p. 24.
Failure of attempt to introduce them into England.
1874. BARBER, L. A Grouse [*Bonasa umbellus*] Hiding in Water. < *Am. Sportsman*, iv, 1874, p. 203.
1874. BATTY, J. H. The Dusky Grouse (*Tetrao Obscurus*). < *Am. Sportsman*, iii, 1874, p. 342.

1874. BATTY, J. H. How the Ruffed Grouse [*Bonasa umbellus*] drums. < *Am. Sportsman*, iii, 1874, p. 379. See also p. 322, and iv, pp. 7, 38.
Reply to Mr. Ridgway's article on the same subject, p. 322. Maintains that the drumming noise is made by striking together the exterior surfaces of the wings above the back.
1874. BATTY, J. H. Has the Ruffed Grouse [*Bonasa umbellus*] Ceased to Fear the Presence of Man? < *Am. Sportsman*, iv, 1874, p. 38.
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1874. BATTY, J. H. The White-tailed ptarmigan—*Lagopus leucurus*. < *Forest and Stream*, i, Jan. 29, 1874, p. 390.
1874. BREWER, T. M. [Description of the Egg of *Lagopus leucurus*.] < *Forest and Stream*, ii, Mar. 26, 1874, p. 103.
1874. BREWER, T. M. Note on the Nesting and Eggs of *Lagopus leucurus*. < *Proc. Bost. Soc. Nat. Hist.*, xvi, 1874, pp. 348, 349.
MS. from T. M. Tripp; locality near Idaho Springs, Colorado; date June 28, 1873; altitude 1,000 feet above timber-line.
1874. BREWSTER, W. The Ruffed Grouse [*Bonasa umbellus*] again. < *Am. Sportsman*, iv, 1874, p. 74. See also p. 7.
Reply to Mr. Batty (*ibid.*, p. 38) in further explanation of drumming of *Bonasa umbellus*.
1874. BREWSTER, W. The Drumming of the Ruffed Grouse [*Bonasa umbellus*]. < *Am. Sportsman*, iv, 1874, p. 7.
Confirming observations recorded *ibid.*, iii, p. 322, and controverting theory expressed *ibid.*, iii, p. 379. The present writer maintains that the drumming is produced by forcible downward stroke of the wings.
1874. "E. M. M." Drumming of the Ruffed Grouse [*Bonasa umbellus*]. < *Am. Sportsman*, iv, 1874, p. 28.
1874. "CORPORAL." The Ruffed Grouse [*Bonasa umbellus*]. < *Am. Sportsman*, iv, 1874, p. 103.
1874. FERGUSON, N. Introduction of Pinnated Grouse [*Cupidonia cupido*]. A Theory. < *Am. Sportsman*, iii, 1874, p. 245. See also p. 182.
Suggestions as to introducing it into the Eastern States.
1874. H[ARVEY], M. The Ptarmigan [*Lagopus* spp.] of Newfoundland. < *Forest and Stream*, ii, Aug. 6, 1874, p. 404.
General account of *Lagopus albus* and *L. rupestris*.
1874. "HI! ON!" The Sharp-tailed Grouse [*Pediæcetes phasianellus*]. < *Am. Sportsman*, iii, 1874, p. 231. See also pp. 267 and 315.
1874. H[OLBERTON], W. C. Pinnated grouse [*Cupidonia cupido*] for New Jersey. < *Forest and Stream*, ii, Apr. 9, 1874, p. 131.
Account of former abundance of this Grouse in New Jersey.
1874. "K." Mountain Grouse [*Canace obscurus*]. < *Am. Sportsman*, v, Oct. 24, 1874, p. 49.
1874. M[CELWRAITH, A?]. Pinnated Grouse—[*Cupidonia*] *Cupido*. < *Am. Sportsman*, iv, 1874, p. 83.
1874. "R. H. B." Habits of the Pinnated Grouse [*Cupidonia cupido*]. < *Am. Sportsman*, iii, 1874, p. 346. See also p. 182.
1874. RIDGWAY, R. Why and How does the Ruffed Grouse [*Bonasa umbellus*] drum. < *Am. Sportsman*, iii, 1874, p. 322.
This article gave rise to an animated discussion, each part of which will be found catalogued under its own title, printed on p. 379 of Vol. iii, and pp. 3, 7, 28, 38, 74, and 108 of Vol. iv.
1874. RIDGWAY, R. A remarkable peculiarity [slight muscularity of the gizzard] of *Centrocercus urophasianus*. < *Am. Nat.*, viii, 1874, p. 240.
1874. [SMITH, GREENE.] Pinnated Grouse (Prairie Hens [*Cupidonia cupido*]). < *Forest and Stream*, ii, July 2, 1874, p. 324.
Experience with this species in confinement.

1874. "VETERAN." The sage cock [*Centrocercus urophasianus*]. < *Forest and Stream*, ii, Mar. 12, 1874, p. 66.
1874. "VETERAN." The blue grouse [*Canace obscurus*]. < *Forest and Stream*, ii, May 21, 1874, p. 230.
Circumstantial observations upon habits.
1874. [WESTCOTT, C. S.] Do pinnated grouse [*Cupidonia cupido*] remain in "packs" all the season? < *Forest and Stream*, iii, Oct. 1, 1874, p. 116.
Affirmed.
1875. ANON. Pinnated grouse [*Cupidonia cupido*] in England. < *Forest and Stream*, v, Aug. 12, 1875, p. 4.
Reprinted from "Land and Water."
1875. ANON. The sharp-tailed grouse—(*Pediceetes Phasianettus*—Elliot). < *Forest and Stream*, v, Oct. 7, 1875, p. 131.
1875. ANON. Sagacity of the Partridge[?]. < *Rod and Gun*, vi, Aug. 21, 1875, p. 315.
1875. ANON. Disease in grouse. < *Rod and Gun*, vi, Apr. 17, 1875, p. 41.
Quoted remarks of Andrew Wilson at Edinburgh University.
1875. ANON. [EDITORIAL.] Quail and pinnated grouse [introduced] in England. < *Forest and Stream*, iv, Apr. 15, 1875, p. 153.
1875. B[ANES], J. DE. The Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, iv, May 13, 1875, p. 213.
Circumstantial biography.
1875. CARDE, B. F. S. Singular boldness of a partridge [*Bonasa umbellus*]. < *Forest and Stream*, v, Nov. 25, 1875, p. 243.
1875. "FRED." Calling of pinnated grouse [*Cupidonia cupido*]. < *Rod and Gun*, vi, June 19, 1875, p. 183.
1875. "MORTIMER." Grouse [*Bonasa umbellus*, acclimated] on Staten Island. < *Forest and Stream*, iv, Feb. 11, 1875, p. 11.
1875. "ROAMER." Cock grouse [*Bonasa umbellus*] protecting nests. < *Forest and Stream*, iv, July 1, 1875, p. 326.
1876. ANON. Early Nidification of Ruffed Grouse [*Bonasa umbellus*, April 29]. < *Forest and Stream*, vi, May 18, 1876, p. 233.
1876. COUES, E. On the Breeding-habits, Nest, and Eggs, of the White-tailed Ptarmigan (*Lagopus leucurus*). < *Bull. U. S. Geol. Surv. Terr.*, 2d ser., No. 5, Jan. 8, 1876, pp. 263-266.
From fresh material from Southern Colorado, here fully described.
1876. "GIPSEY." A Lucky partridge [*Bonasa umbellus*]. < *Forest and Stream*, vi, Feb. 10, 1876, p. 4.
1876. "J." Self-protection in the grouse [*Bonasa umbellus*]. < *Forest and Stream*, vi, Aug. 3, 1876, p. 418.
1876. "PENOBSCOT." [LIBBEY, D. S.] Winter Habits of the Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, v, Jan. 13, 1876, p. 356.
1876. SCOTT, DAVID. The Drumming of the Ruffed Grouse. (*Bonasa umbellus*.) < *Field and Forest*, ii, No. 4, Oct., 1876, pp. 57-60.
The writer concludes in the hope of discovering, "ere long," how and why it is done.
1876. STANTON, W. Singular Incident. < *Forest and Stream*, vii, Nov. 9, 1876, p. 212.
Bonasa umbellus crashing through two windows and an intervening room.
1877. ALDRICH, C. Destruction of Birds [*Cupidonia cupido*] by Telegraph Wires. < *Am. Nat.*, xi, No. 11, Nov., 1877, pp. 686, 687.
Referring to E. Cones's observations on the subject at large, the writer instances Prairie Chickens in further illustration of the fact.
1877. ALDRICH, C. Destruction of Birds [*Cupidonia cupido*] by Telegraph Wires. < *The Country*, i, Dec. 8, 1877, p. 79.
Reprinted from *Am. Nat.*, Nov., 1877, pp. 636, 687.

1877. ANON. [EDITORIAL.] Are the Prairie Chickens [*Cupidonia cupido*] Going to California? < *Forest and Stream*, ix, Dec. 27, 1877, p. 397.
Reported westward migration [later shown to be erroneous].
1877. ANON. Taming Prairie Chickens [*Cupidonia cupido*]. < *Rod and Gun*, ix, Mar. 17, 1877, p. 374.
Reprinted from "Canadian Gentleman."
1877. ANON. Save the Prairie Chickens [*Cupidonia cupido*]. < *Rod and Gun*, ix, Mar. 31, 1877, p. 409.
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1877. "AWAHOOSE." [ROBINSON, R. E.] A few words concerning ruffed grouse [*Bonasa umbellus*]. < *Forest and Stream*, ix, Dec. 6, 1877, p. 346.
1877. BREWSTER, W. An undescribed Hybrid between two North American Grouse. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 66-68.
Cupidonia cupido × *Pediceetes columbianus*; named *C. eupidini-columbiana*, p. 68.
1877. COUES, E. Letters on Ornithology. No. 13 [bis=14].—[*Cupidonia cupido* as a destroyer of] Grasshoppers. < *The Chicago Field*, Mar. 17, 1877, fig.
Urging the important services of this bird as one of the natural agencies by which *Caloptenus spretus* is held in check.
1877. [EDITORIAL.] Frank Schley's American Partridge and Pheasant Shooting. < *Rod and Gun*, ix, Feb. 3, 1877, p. 279.
Review of above-mentioned work, published by Banghman Bros., Frederick, Md., 1877.
1877. INGERSOLL, E. Notes of the U. S. Geological Survey—No. 1. < *Forest and Stream*, viii, July 19, 1877, p. 407.
Observations upon *Centrocerus urophasianus*.
1877. LAWRENCE, G. N. A Note on *Cupidonia cupido* var. *pallidicinctus*, Ridgway. < *Bull. Nutt. Ornith. Club*, ii, No. 2, Apr., 1877, p. 52.
Recognizing this variety among the Prairie Chickens brought to Eastern market.
1877. MURDOCK, A. American Grouse. < *Forest and Stream*, ix, Aug. 23, 1877, p. 44.
Criticisms upon certain alleged habits.
1877. "MONON." [LAURIE, J.] *Cupidonia Cupido*.—How the Prairie Chickens Woo. < *Forest and Stream*, ix, Nov. 22, 1877, p. 307.
1877. "PENOBSCOT." [LIBBEY, D. S.] Habits of the Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, ix, Sept. 27, 1877, p. 143.
1877. S[MITH], J. T. B. The Ruffed Grouse [*Bonasa umbellus*].—A Query. < *Forest and Stream*, ix, Sept. 6, 1877, p. 85.
Female parent transporting her young.
1877. "STONY ISLAND." Ruffed Grouse [*Bonasa umbellus*] Shooting. < *Rod and Gun*, ix, Feb. 10, 1877, p. 290.
1877. WILLIAMS, W. H. An interesting question [respecting *Bonasa umbellus*]. < *Forest and Stream*, ix, Dec. 13, 1877, p. 366.
Is there a disparity in numbers between the sexes of Ruffed Grouse?
1878. ANON. Ruffed Grouse's [*Bonasa umbellus*] Drumming. < *Forest and Stream*, ix, Jan. 10, 1878, p. 430.
The operation not entirely confined to the pairing season.
1878. ANON. [EDITORIAL.] Ruffed Grouse [*Bonasa umbellus*] in Texas. < *Forest and Stream*, x, May 9, 1878, p. 256.
1878. ———. Habits of the Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, ix, Jan. 17, 1878, p. 450; Jan. 24, 1878, p. 469; x, Mar. 7, 1878, p. 76; Mar. 21, 1878, p. 177.
This head covers a series of letters from a dozen or more correspondents on the subject of the habits of the Ruffed Grouse, with special reference to the "drumming" of that bird.
1878. ———. [Discussion and correspondence relative to alleged] Prairie chickens in California and Colorado. < *Forest and Stream*, x, May 23, 1878, p. 296.
See p. 175.

1878. "AWAHOOSE." [ROBINSON, R. E.] Eccentricities of the Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, xi, Nov. 21, 1878, p. 321.
1878. COOPER, J. G. Californian Prairie Chickens. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 96.
Being *Pediæcetes columbianus* instead of the alleged *Cupidonia cupido*. There was a good deal of newspaper matter on the subject about this time, all founded in error, the supposed Prairie Chickens west of the Rocky Mountains being Sharp-tailed Grouse.
1878. COUES, E. The Willow Grouse [*Lagopus albus*] in New York. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 41.
1878. [GRINNELL, G. B.] About our Grouse. < *Forest and Stream*, xi, Oct. 31, Nov. 7, 14, 21, and Dec. 5, 1878, pp. 259, 280, 299, 300, 319, 320, 360.
Notes on the habits of the less known *Tetraonidæ* of North America.
1878. HENSHAW, H. W. Prairie chickens in Nevada. < *Forest and Stream*, x, Apr. 11, 1878, p. 175. See p. 296.
Cupidonia cupido not extending its range westward.
1878. "J. N." A singular combat [between a male *Tetrao canadensis* and a dunghill Cock]. < *Forest and Stream*, x, Feb. 14, 1878, p. 18.
1878. NELSON, E. W. The Rock Ptarmigan (*Lagopus rupestris*) in the Aleutian Islands. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 38.
1878. NEWTON, A. [Remarks on Exhibition of a supposed hybrid between *Lagopus scoticus* and *L. mutus*.] < *P. Z. S.*, Nov. 5, 1878, p. 793.
1878. "PENOBSCOT." [LIBBEY, D. S.] Drumming of the Ruffed and Canada Grouse [*Bonasa umbellus*, *Canace canadensis*]. < *Forest and Stream*, xi, Sept. 19, 1878, p. 131.
1878. "RUFFED GROUSE." Habits of the Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, x, 1878, pp. 215, 274. See pp. 76, 117.
Letters also from "Awahsoose" (R. E. Robinson), and "D. C. M."
1878. "SANGER." Two Sides to the Question [of preponderance of males over females in *Bonasa umbellus*]. < *Forest and Stream*, ix, Jan. 31, 1878, p. 489.
1878. "SNAPSHOT." The Grouse Family [*Tetraonidæ*] of Oregon. < *San Francisco Chronicle*, Jan. 20, 1878.
Biographical.
1878. STEARNS, R. E. C. The Prairie Chicken in California. < *Am. Nat.*, xii, No. 2, 1878, p. 124, 125.
Supposed to be *Cupidonia*—proved afterward to be *Pediæcetes*.
1879. ANON. The Partridge fly. < *Forest and Stream*, xi, Jan. 9, 1879, p. 462.
Discussion by the editor, "Straight-bore" (Morton Robinson), and C. H. Hope, of a parasite of *Bonasa umbellus*, supposed to belong to genus *Hippobosca*.
1879. ANON. The Ruffed Grouse [*Bonasa umbellus*]: a semi-soliloquy. < *The Oölogist*, v, No. 1, July, 1879, p. 1.
Poem.
1879. BENDIRE, C. Notes on the Dusky Grouse (*Canace obscurus*). < *The Oölogist*, iv, No. 12, summer 1879 (extra number), pp. 98, 99.
From his paper on *Birds of Southeastern Oregon*, in *Proc. Bost. Nat. Hist. Soc.*
1879. B[REWER], T. M. Not Pinnated Grouse. < *Forest and Stream*, xi, Jan. 2, 1879, p. 441.
Denying that *Cupidonia cupido* has strayed to the Pacific Slope.
1879. B[YERS], W. N. The Sage Grouse [*Centrocercus urophasianus*]. < *Forest and Stream*, xi, Jan. 2, 1879, p. 440.
1879. B[YERS], W. N. The Flesh of the Sage Grouse [*Centrocercus urophasianus*]. < *Forest and Stream*, xii, May 22, 1879, p. 307.
Reply to editorial comments on previous article on this topic, the writer protesting against the manner in which the discussion of the question was closed.

1879. CLARK, M. W. Domesticated Ruffed Grouse [*Bonasa umbellus*]. < *Forest and Stream*, xii, May 29, 1879, p. 326.
1879. C[LARKE], S. C. Habitat of Sharp-tailed Grouse [*Pediocetes phasianellus columbianus*]. < *Forest and Stream*, xiii, Oct. 9, 1879, p. 705.
1879. CREIGHTON, R. J. Exportation of Quail [i. e., *Cupidonia cupido*]. < *Forest and Stream*, xii, Mar. 13, 1879, p. 120.
History of the lot of Pinnated Grouse shipped from Kansas to New Zealand.
1879. "DINGO." Pinnated Grouse [*Cupidonia cupido*] for New Zealand. < *Forest and Stream*, xii, Feb. 13, 1879, p. 31.
Notice of a shipment of 28 birds of this species for New Zealand.
1879. DUTTON, J. W. Drumming of the Canada Grouse [*Canace canadensis*]. < *Forest and Stream*, xiii, Nov. 20, 1879, p. 827.
1879. [GRINNELL, G. B.] Not Pinnated Grouse [*Cupidonia cupido*]. < *Forest and Stream*, xi, Jan. 2, 1879, p. 440.
Editorial remarks replying to statement of a correspondent that "prairie chickens" are found in Nevada, pointing out the fact that evidence of the occurrence of *Cupidonia cupido* so far west is still wanting.
1879. [GRINNELL, G. B.] Grouse [*Cupidonia cupido*] For New Zealand. < *Forest and Stream*, xii, Mar. 13, 1879, p. 119.
1879. [GRINNELL, G. B.] Drumming of the Spruce Partridge [*Canace canadensis*]. < *Forest and Stream*, xiii, Sept. 11, 1879, p. 625.
1879. HARDY, M. Notes on the Habits of the Ruffed Grouse [*Bonasa umbellus*]. < *The Temperance Vedette* (newspaper of Terrell, Texas), Dec. 6, 1879.
Quoted from *The Oologist*.
1879. R[ICH], J. G. Drumming of the Canada Grouse [*Canace canadensis*]. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
1879. [SAMUELS, E. A.] Canada Grouse, *Tetrao canadensis*. Linnaeus. < *Town and Country* (monthly newsp., Boston, Mass.), i, No. 10, Oct., 1879, p. 1, fig.
A short notice, with a figure from the author's 'Birds of New England', after Audubon.
1879. "TRANSIT" [RICHARDS, —,] and "INCOG." [GRINNELL, M.] The Flesh of the Sage Grouse [*Centrocercus urophasianus*]. < *Forest and Stream*, xii, Mar. 6, 1879, p. 85.
Different opinions as to the gastronomic quality of this bird's flesh.
1879. W[EBSTER], J. W. Destruction of Ruffed Grouse [*Bonasa umbellus*] in Connecticut. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
Destruction of the young of this species by the larvae of *Olfersia americana*, Leach.
1879. WRIGHT, M. M. How the Ruffed Grouse [*Bonasa umbellus*] Drums. < *Town and Country, the People's Monthly Journal* (Boston), i, No. 3, Mar., 1879.
The wings beat the air, but neither the body of the bird, nor the log, nor each other.
As may be seen from many of the foregoing titles, there was for a time considerable discussion in the sporting papers and elsewhere, respecting the mechanics and acoustics of this remarkable operation; and the same subject has often been taken up in general works which have occasion to treat of the Ruffed Grouse. Opinions have been advanced: 1) That the outsides of the wings strike each other over the bird's back; 2) that the insides of the wings strike the bird's body; 3) that the wings strike the log or other hard object on which the bird stands; 4) that the wings beat the air with such rapidity as to produce the vibrations in which the "drumming" sound consists. It would appear to be impossible that the peculiar sound should be produced in any other than one of these four ways; and the balance of evidence is in favor of the last named, as held by the present writer and others.

Perdiciidæ.

1830. VIGORS, N. A. [Observations on the Genus *Ortyx*, with characters of two New Species—*O. neoxenus*, *O. affinis*, p. 3.] < *P. Z. S.*, i, 1830, pp. 2-4.
1831. "J. C." Notice of an Attempt to naturalise the Virginia Partridge [*Ortyx virginiana*] in England. < *Loudon's Mag. Nat. Hist.*, iv, 1831, pp. 16-18, fig. 8.
1831. [EDITORIAL]. [Abstract of Mr. Vigor's remarks on a Gallinaceous group (*Ortyginæ*) of America which supplies in that continent the place of the Quails of the Old World.] < *Philos. Mag.*, ix, 1831, pp. 54, 55.
From *P. Z. S.*, Nov. 4, 1830, pp. 2-4.
1832. LLAVE, P. DE LA. Sobre tres especies nuevas del género *Tetrao* [*Ortyginæ*]. < *Registro Trimestre* (Mexico), i, núm. 2, Abril de 1832, pp. 141-145.
The genus *Tetrao* is here equivalent to three modern genera of *Ortyginæ* or *Odontophorinæ*. None of the species here described as new is really so. *Tetrao marmorata*, p. 144, is *Dendroortyx macroura* (Jard. and Selby); *T. cristata*, p. 144, is *Callipepla squamata* (Vig.); and *T. guttata*, p. 145, is *Cyrtonyx massena* (Less.) There is a French translation in *R. M. Z.*, xiii, 1861, pp. 425-429.
1833. D[ENSON], J. The Virginian Partridge [*Ortyx virginiana*]. < *Loudon's Mag. Nat. Hist.*, vi, 1833, p. 153.
On its introduction in England.
1834. VIGORS, [N. A.] Ueber die Wachteln [*Ortyginæ*] der neuen Welt. < *Oken's Isis*, Bd. xxvii, 1834, p. 806.
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7 gen., 35 spp., 32 of which are figured. Pl. I, *Ortyx virginianus*; II, *O. cubanensis*; III, *O. castaneus*; IV, *O. nigrogularis*; V, *O. pectoralis*; VI, *O. coyoleos*; VII, *Cyrtonyx* (n. g., p. 14) *massena*; VIII, *C. ocellatus*; IX, *Eupsychortyx* (n. g., p. 15) *cristatus*; X, *E. leucotis*; XI, *E. somnini*; (*E. affinis* not fig.); XII, *E. parvicristatus*; XIII, *E. leucopogon*; XIV, *Philortyx* (n. g., p. 17) *fasciatus*; XV, *Callipepla picta*; XVI, *C. californica*; XVII, *C. gambeli*; XVIII, *O. elegans*; (*O. douglassi* not fig.); XIX, *O. squamata*; XX, *Dendrortyx* (n. g., p. 20) *micurus*; XXI, *D. leucophrys*; XXII, *D. barbatus* ("Licht. Mus. B."); XXIII, *Odontophorus guianensis*; (*O. marmoratus* not fig.); XXIV, *O. pachyrhynchus*; XXV, *O. speciosus*; XXVI, *O. dentatus*; XXVII, *O. stellatus*; XXVIII, *O. guttatus*; XXIX, *O. balliviani*; XXX, *O. columbianus*; XXXI, *O. strophium*; XXXII, *O. lincolatus*.
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The negative maintained.
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1874. "T. S. D." Albino Bob White [*Ortyx virginiana*]. < *Am. Sportsman*, iii, 1874, p. 283.
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Believes that a quiet, sitting bird would be readily overlooked by the dog; but that it could not voluntarily retain its scent. Much correspondence between gunners precedes and follows for several months, little of which has any permanent value, or brings out any new facts upon the subject.
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1875. EVERTS, M. G. An Open Letter [concerning the Migratory Quail (*Coturnix communis*) of Europe, and the feasibility of its introduction into the United States]. < *Am. Sportsman*, v, Jan. 23, 1875, p. 264.
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Editorial note appended, stating it to be abnormal plumage of *Ortyx virginiana*.
1875. "J. K. O." California Quail [*Lophortyx californica*, can probably be introduced into Eastern States]. < *Rod and Gun*, vi, June 19, 1875, p. 187.
1875. "PROTECTOR." How to raise quail [*Ortyx virginiana*]. < *Forest and Stream*, iii, Jan. 7, 1878, p. 345, 4 cuts.
1875. "RECAPPER." [T. O. ABBOTT.] Protect the American Quail [*Ortyx virginiana*]. < *Am. Sportsman*, v, Mar. 13, 1875, p. 378. See also p. 346.
1875. "T. C. A." Protect the American Quail [*Ortyx virginiana*]. < *Am. Sportsman*, v, Feb. 20, 1875, p. 346. See also p. 378.

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1876. "ALPHA." The Quail [*Ortyx virginiana*] Question. < *Rod and Gun*, viii, Apr. 29, 1876, p. 67.
Scent concealed by crouching bird.
1876. ANON. Migratory Quail [importation of *Coturnix communis* into the United States]. < *Forest and Stream*, vi, Mar. 30, 1876, p. 115.
1876. ANON. The Migration of the quail [*Coturnix communis*, at Malta]. < *Rod and Gun*, viii, July 8, 1876, p. 231.
Quoted from London "Times."
1876. ANON. [HALLOCK, C.] [Success in] Taming quail [*Ortyx virginiana*]. < *Forest and Stream*, vii, Oct. 5, 1876, p. 137.
1876. ———. Quail [*Ortyx virginiana*], etc. < *Rod and Gun*, viii, Apr. 15, 1876, p. 34.
Several letters upon the question of their withholding scent.
1876. "ARKANSAS." Quail [*Ortyx virginiana*, migratory or not?] < *Rod and Gun*, vii, Feb. 12, 1876, p. 307.
1876. BREWSTER, W. Can quail [*Ortyx virginiana*] withhold their scent? < *Rod and Gun*, vii, Feb. 26, 1876, p. 344.
Considers this power possessed by certain individual birds—not necessarily by all of certain bevs.
1876. "C. F. W. B." Do Quail [*Ortyx virginiana*, withhold scent?], etc. < *Rod and Gun*, viii, May 13, 1876, p. 99.
Views of German sportsmen.
1876. "CORDUROY", and OTHERS. Can Quail [*Ortyx virginiana*] Withhold Their Scent? < *Rod and Gun*, vii, Mar. 25, 1876, p. 402.
"CORDUROY" denies the power, and thinks concealment and the state of the weather furnish an explanation. BLUNT, GEORGE W., says No; scent naturally does not leave the bird while it remains quiet. "PERDIX CHICAGOENSIS" affirms it, as a conscious act by the bird, which can control the escape of scent from its skin at certain times.
1876. COUES, [E.] Dr. Coues upon Quail, etc. < *Rod and Gun*, viii, Apr. 1, 1876, p. 9.
Cannot voluntarily withhold scent; that is to say, by any act of conscious volition. But certain actions of the birds, without design, result in the retention of the effluvium—which may also be favored or hindered by certain surroundings, as state of the atmosphere.
1876. "HARRY." In the Woods. < *Rod and Gun*, vii, Jan. 8, 1876, p. 226.
Comments upon article "Bob-white" in *Harper's New Monthly Magazine* (xxxix, 1869, pp. 505-512, figs. 1-6), and additional notes on *Ortyx virginiana*.
1876. [INGERSOLL, E.] Red-legged Partridges [imported into the United States]. < *Forest and Stream*, v, Feb. 3, 1876, p. 404.
1876. LINDEN, C. The Scent of Birds [*Ortyx virginiana*]. < *Rod and Gun*, viii, Apr. 1, 1876, p. 6.
Discussion of the subject of withholding scent by quail.
1876. LOUDON, F. Can Quail [*Ortyx virginiana*] withhold their Scent? < *Rod and Gun*, vii, Feb. 23, 1876, p. 339.
Believes they can.
1876. "OLD GUNNER." Quail [*Ortyx virginiana*], Guns, etc. < *Rod and Gun*, vii, Feb. 26, 1876, p. 338.
Quail do at times withhold their scent; and certain bevs are marked by peculiar habits.
1876. "READER." Quails [*Ortyx virginiana*] Withholding Their Scent. < *Rod and Gun*, vii, Mar. 11, 1876, p. 371.
Bird retains odor upon its feet by covering them the instant it alights so closely that air cannot escape from beneath the feathers; certain bevs inherit this particularly; and the practice is specially observable in those bevs most assailed by hawks.

1876. "BOB WHITE." Quail [*Ortyx virginiana*] Withholding Scent. < *Rod and Gun*, vii, Mar. 11, 1876, p. 371.
Facts showing its improbability.
1876. "RECAPPER." [T. C. ABBOTT.] Can quail [*Ortyx virginiana*] withhold their scent? < *Rod and Gun*, vii, Feb. 12, 1876, p. 312.
Believes it is possible, and voluntary, but a peculiarity of some beves more than of others. This gave rise to much discussion, for which see pages 338, 339, 344, 370, 371, 386, 402, 496; *ibid.*, vii, pp. 2, 6, 9, 34, 67, 99, 134, and the general conclusion reached was, that no voluntary retention of scent was possible; but that the quiet or activity, state of mind and age of the bird—varying with different beves—as well as atmospheric influences, affected the condition of the scent to such an extent as sometimes to almost wholly obliterate it.
1876. "RED-WING." [A. I. HUYLER.] Quails [*Ortyx virginiana*] eat Skunk-cabbage [*Symplocarpus foetidus*] seeds. < *Forest and Stream*, vi, Apr. 6, 1876, p. 133.
1876. SALVIN, O. On two additional Species of Central-American Odontophorinæ. < *Ibis*, 3d ser., vi, July, 1876, pp. 379, 380.
Eupsychortyx leucotis, Gould, *P. Z. S.*, 1843, p. 133, and *Odontophorus cinctus*, sp. n., p. 379.
1876. "SPY." Can Quail [*Ortyx virginiana*] Withhold Their Scent. < *Rod and Gun*, vii, Feb. 26, 1876, p. 338.
Can withhold scent voluntarily, and do so when frightened. See p. 312.
1876. TAGGART, D. Quail [*Ortyx virginiana*] Raising. < *Forest and Stream*, vii, Oct. 26, 1876, p. 179.
Reprinted from "Fanciers' Journal".
1876. [TILESTON, W. M.] Quail [*Ortyx virginiana*] Shooting. < *Forest and Stream*, vii, Nov. 16, 1876, p. 232.
Habits of *Ortyx virginiana* from a sportsman's point of view.
1876. "TONIC." [?M. M. BENSCHOTER.] Can Quail [*Ortyx virginiana*] Withhold their Scent? < *Rod and Gun*, vii, Mar. 11, 1876, p. 370.
Answers in the negative, and supposes atmospheric conditions and other circumstances to explain alleged retention.
1876. "T. UMBELLUS." Do quail [*Ortyx virginiana*, withhold their scent?] etc. < *Rod and Gun*, viii, May 27, 1876, p. 134.
1876. "VIRGINIA," and OTHERS. Can Quail [*Ortyx virginiana*] Withhold Their Scent? < *Rod and Gun*, vii, Mar. 18, 1876, p. 386.
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1864. COINDE, J. L. Note pour servir à l'histoire des Oiseaux insectivores. < *Rev. Zool.*, 1864, pp. 5, 6.
On the diet of a bird belonging "à la famille des échassiers riverains du genre chevalier." Not seen; title from *Zool. Rec.*
1864. CORDEAUX, J. Gray Plover [*Squatarola helvetica*] on the Lincolnshire Coast. < *Zoologist*, xxii, 1864, p. 9115.
1864. HARTING, J. E. The little Ringed Plover [*Ægialitis cunonica*] at Kingsbury, Middlesex. < *Zoologist*, xxii, 1864, pp. 9283-9285.
1864. NORMAN, G. Eggs of the Thickknee Plover [*Œdicnemus crepitans*]. < *Zoologist*, xxii, 1864, p. 9114.
1864. SCHWAITZER, F. Charadrius [*Eudromias*] morinellus in der Provinz Posen. < *J. f. O.*, xii, 1864, p. 314.
1865. SCHLEGEL, H. Cursors. < *Mus. Nat. Hist. Pays-Bas*, 17^e livr., Mars 1865, pp. 1-80.
The "Cursors" of this author consist of four very distinct families, the *Otididæ*, *Glareolidæ*, *Charadriidæ*, and *Hæmatopodidæ*.
Of *Otididæ* are described 18 spp., all referred to the single genus *Otis*.
Of *Glareola* are treated 5 spp., and of *Cursorius* 7 spp.
Streptilas with 3 spp. and *Hæmatopus* with 6 spp.
The greater part of the memoir is of course devoted to the charadrian group, of which are described 7 spp. of *Œdicnemus*, 21 of *Charadrius*, 4 of *Morinellus*, 3 of *Pluvialis*, 13 of *Vanellus*, and 9 of *Lobivanellus*.
The whole group is represented by a total of 750 specimens in the Leyden Museum.
1866. BREHM, A. E. Zur Naturgeschichte des weisschwänzigen Kiebitzes, (*Chaetusia* [sic] *leucura*). *J. f. O.*, xiv, 1866, pp. 386-388.
1866. MONK, T. J. Little Ringed Plover [*Ægialitis cunonica*] near Lewes. < *Zoologist*, 2d ser., i, 1866, p. 229.
1866. RODD, E. H. Occurrence of the Stone Curlew or Great Plover [*Œdicnemus crepitans*] at the Land's End. < *Zoologist*, 2d ser., i, 1866, pp. 34, 35.
1866. SHORTO, J., JR. Stone Curlew [*Œdicnemus crepitans*] near Dorchester. < *Zoologist*, 2d ser., i, 1866, p. 389.
1867. HEKLOTZ, O. *Œdicnemus crepitans*. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xvii, 1867, pp. 619-622.
Lebensweise.
1867. SHORTO, J., JR. Golden and Green Plovers (see *Zool. S. S.* 690). < *Zoologist*, 2d ser., ii, 1867, p. 759.
1867. STUBBS, C. E. Lapwings [*Vanellus cristatus*] at Henley-on-Thames. < *Zoologist*, 2d ser., ii, 1867, p. 829.
1868. BLAKE-KNOX, H. Thickkneed Plover [*Œdicnemus crepitans*] in the County of Dublin. < *Zoologist*, 2d ser., iii, 1868, p. 1134.
1868. RODD, E. H. Occurrence of the Common Dotterel [*Eudromias morinellus*] at the Lizard. < *Zoologist*, 2d ser., iii, 1868, p. 1423.
1869. CORDEAUX, J. On the Variation in Colour of the Axillary Plume of the Golden Plover [*Charadrius pluvialis*]. < *Zoologist*, 2d ser., iv, 1869, pp. 1601, 1602.
1869. HARTING, J. E. [Exhibition of a skin of *Anarhynchus frontalis*.] < *P. Z. S.*, xxxvii, 1869, p. 360.
1869. HARTING, J. E. On rare or little-known Limicolæ. [Part I.] < *Ibis*, 2d ser., v, 1869, pp. 304-310, fig., and pl. viii.
This, the first instalment of a series of articles with above caption, without subhead, treats monographically of *Anarhynchus frontalis*.

- 1869-73. HARTING, J. E. On rare or little-known Limicolæ. [Parts I-V.] < *Ibis*, 2d ser., v, 1869, pp. 304-310, fig. and pl. viii, 426-434, figg. and pl. xii; 2d ser., vi, 1870, pp. 201-213, pll. v, vi, 378-392; 3d ser., iii, 1873, pp. 260-269, pll. viii, ix.

An important series of papers, very full, and making many rectifications of synonymy and other criticisms. They are divisible into parts, each one of which will be found entered in this Bibliography under head of the family to which the birds treated in the successive instalments respectively belong.—1869, pp. 304-310, treats of *Anarhynchus frontalis* (pl. 8); 1869, pp. 426-434, of *Eurynorhynchus pygmaeus* (pl. 12); 1870, pp. 201-213, of *Eudromias asiaticus* (pl. 5), *E. veredus* (pl. 6); 1870, pp. 378-392, of *Ægialitis geoffroyi*, *Æ. mongolicus*; 1873, pp. 260-269, *Ægialitis varius* (pl. 8), *Æ. sanctæ helenæ*, n. sp., p. 266 (pl. 9) = *pecuarius* ex St. Helena auct. Thus all five papers, excepting the second, treat of *Charadriidae*.

1869. HARTLAUB, G. On *Anarhynchus* [frontalis]. < *P. Z. S.*, xxxvii, 1869, pp. 433-436.

History and characters of the genus; synonymy and description of the species.

1869. HORNE, C. [On the habits of *Lobivanellus goensis*.] < *Ibis*, 2d ser., v, 1869, pp. 454-456.

1869. JARDINE, W. [Note on the bill of *Anarhynchus frontalis*.] < *Ibis*, 2d ser., v, 1869, pp. 461, 462.

1869. MATHEW, M. A. Dotterel [*Eudromias morinellus*] near Weston. < *Zoologist*, 2d ser., iv, 1869, p. 1802.

1870. GURNEY, J. H., JR. Gray Plover [*Squatarola helvetica*] at Blakeney. < *Zoologist*, 2d ser., v, 1870, p. 2384.

1870. MOSLEY, O. Golden Plover [*Charadrius pluvialis*] on the Dove. < *Zoologist*, 2d ser., v, 1870, p. 1981.

1870. NEWTON, A. [Exhibition of a Chick of *Anarhynchus frontalis*.] < *P. Z. S.*, xxxviii, 1870, pp. 673, 674, woodc.

1870. HARTING, J. E. On rare or little-known Limicolæ. [Part III.] < *Ibis*, 2d ser., vi, 1870, pp. 201-213, pll. v, vi.

The third instalment of the series, continued from *op. cit.*, v, 1869, p. 434. It treats of *Eudromias asiaticus* (pl. v), and *E. veredus* (pl. vi).

1870. HARTING, J. E. On rare or little-known Limicolæ. [Part IV.] < *Ibis*, 2d ser., vi, 1870, pp. 378-392.

The fourth instalment of the series, continued from *tom. cit.*, p. 213. It treats of *Ægialitis geoffroyi* and *Æ. mongolica*.

1870. SWINHOE, R. On the Plovers of the Genus *Ægialites* found in China. < *P. Z. S.*, xxxviii, 1870, pp. 136-142, pl. xii.

8 spp. *Æ. hartingi*, p. 136, pl. xii; *Æ. dealbatus*, p. 138, spp. nn.

1871. HARVIE-BROWN, J. A. Ringed Plover [*Ægialitis hiaticula*] breeding Inland. < *Zoologist*, 2d ser., vi, 1871, p. 2851.

1871. CHALK, W. J. Large Flock of Golden Plover [*Charadrius pluvialis*] at Bedford. < *Zoologist*, 2d ser., vi, 1871, p. 2806.

1871. EDWARDES, L. Ringed Plover [*Ægialitis hiaticula*] breeding at a distance from the Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2770.

1871. GURNEY, J. H., JR. Dotterel [*Charadrius morinellus*] at Dungeness. < *Zoologist*, 2d ser., vi, 1871, p. 2851.

1871. HARTING, J. E. Ringed Plover [*Ægialitis hiaticula*] breeding at a distance from the Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2807.

1871. MITFORD, R. Ring Dotterel breeding Inland. < *Zoologist*, 2d ser., vi, 1871, p. 2851.

1871. POWER, F. D. Dotterels [*Eudromias morinellus*] in Somersetshire. < *Zoologist*, 2d ser., vi, 1871, p. 2441.

1871. OGDEN, J. A. Synopsis of the Genus *Chettusia* (*Lobivanellus*), with a Description of a New Species. < *Proc. Acad. Nat. Sci. Phila.*, 1871, pp. 194-196, pl. i.

A short, imperfect sketch, including 16 species, one being *C. nigrifrons*, sp. n., from Fozzoulou, p. 196. See especially Finsch, *op. cit.*, 1872, p. 32.

1871. RODD, E. H. Kentish Plover [*Ægialitis cantiana*] near Penzance. < *Zoologist*, 2d ser., vi, 1871, p. 2806.
1872. ANGUS, W. C. Ringed Plover [*Ægialitis hiaticula*] breeding at a distance from the Coast. < *Zoologist*, 2d ser., vii, 1872, pp. 2905, 2906.
1872. FINSCH, O. On *Charadrius asiaticus* and *Ch. damarensis*. < *Ibis*, 3d ser., ii, 1872, pp. 144-147.
Synonymatic and critical. The determinations differ from those of J. E. Harting, *op. cit.*, 1870, p. 206, *q. v.*
1872. FINSCH, O. Remarks on the "Synopsis of the genus *Chettusia* (Lobivanellus), with a description of a new Species by J. A. Ogden." < *Proc. Acad. Nat. Sci. Phila.*, xxiv, 1872, p. 32.
Chettusia nivifrons Ogd. = *Ch. [Linnetes] crassirostris*; and other rectifications, with addition of 8 species of the genus to those given by Ogden, *op. cit.*, 1871, pp. 194-196, *q. v.*
1873. CABANIS, J. [*Chettusia leucura* bei Sarcpta erlegt.] < *J. f. O.*, 1873, p. 80.
1873. DURNFORD, H. Remarkable Posture of the Norfolk Plover [*Ædienemus crepitans*]. < *Zoologist*, 2d ser., viii, 1873, p. 3693.
1873. HARTING, J. E. [*Eudromias tenuirostris* Hume = *Ægialitis hartingi* Swinh. = *Charadrius placidus* Gray.] < *Ibis*, 3d ser., iii, 1873, pp. 324-327.
1873. HARTING, J. E. On rare or little-known Limicolæ. [Part V.] < *Ibis*, 3d ser., iii, 1873, pp. 260-269, pl. viii, ix.
The fifth and concluding instalment of the series, continued from *op. cit.*, 2d ser., vi, p. 392. It treats of *Ægialitis varius* (pl. viii), and of *Æ. sanctæ-helenæ*, n. sp., p. 266, pl. ix. The latter is *pecuarius* auct. ex St. Helena.
1874. HARTING, J. E. On the Lapwing of Chili [*Vanellus occidentalis*, p. 451, sp. n.]. < *P. Z. S.*, lxii, 1874, pp. 449-452.
1874. HARTING, J. E. On the Eggs of some little-known Limicolæ. < *P. Z. S.*, xlii, 1874, pp. 454-460, pl. ix.
23 spp., of which the following are figured: fig. 1, *Glareola lactea*; 2, *Pluvianus ægyptius*; 3, *Hoplopterus ventralis*; 4, *Ægialitis pecuarius*; 5, *Æ. tricoloris*; 6, *Æ. falklandicus*; 7, *Æ. collaris*; 8, *Æ. ruficapillus*; 9, *Æ. nigrifrons*; 10, *Himantopus novæ-zelandiæ*; 11, *Anarhynchus frontalis*.
1875. DRESSER, H. E. [Occurrence of *Charadrius fulvus* (verus) in Great Britain.] < *Ibis*, 3d ser., v, 1875, pp. 513, 514.
1875. DRESSER, H. E. Notes on the Nest and Egg of *Hypolais caligata* and on the Egg of *Charadrius asiaticus*, Pall., together with Remarks on the latter Species and *Charadrius veredus*, Gould. < *P. Z. S.*, Feb. 16, 1875, pp. 97, 98.
The distinction of these two species of *Charadrius* maintained.
1875. HARVIE-BROWN, J. A. [On the Eggs of *Anarhynchus frontalis* described in *P. Z. S.*, 1874, 454.] < *Ibis*, 3d ser., v, 1875, p. 519.
1876. BOYES, F. Stone Curlew [*Ædienemus crepitans*]. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4882.
1876. GURNEY, J. H., JR. Stone Curlew [*Ædienemus crepitans*]. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4801.
1876. GURNEY, J. H., JR. The Eye of the Little Ringed Plover [*Ægialitis euronica*]. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4801.
1876. RODD, E. H. Common Dotterel [*Eudromias morinellus*] near Penzance. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5125.
1876. WHEEER, F. White Peewit [*Vanellus cristatus*]. < *Zoologist*, 2d ser., xi, May, 1876, p. 4925.
1877. GARROD, A. H. Notes on the Anatomy and Systematic Position of the Genera *Thinocorus* and *Attagis*. < *P. Z. S.*, May 1, 1877, pp. 413-418, figg.
Nearest related to *Cursorius* and *Glareola*.
This does not come strictly under head of *Charadriidæ*; but I wish it to appear here.

1877. HOWELL, M. A. The American golden plover [*Charadrius fulvus virginicus*.]
 < *Forest and Stream*, viii, Mar. 1, 1877, p. 49.
 Habits of the species.
1878. EAGLE, C. H. Capture of *Ægialitis meloda* var. *circumcincta*, Ridg., on Long
 Island. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 94.
1878. GARROD, A. H. On the trachea of *Tantalus loculator* and of *Vanellus cayen-*
 nensis. < *P. Z. S.*, May 21, 1878, pp. 625-629, figg. 1, 2.
 The parts named of each of these species are figured on the woodcuts in text.
1879. DUTCHER, W. Wilson's Plover [*Ægialitis wilsonia*] on Long Island, N. Y.
 < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 242.

Chionididæ.

1836. BLAINVILLE, M. H. D. DE. Sur la place que doit occuper dans le système ornithologique le genre *Chionis* ou Bec-en-fourreau. < *Comptes Rend. de l'Acad. Sci.*, iii, 1836, pp. 155-164.

Pas vu moi-même.

1836. BLAINVILLE, M. H. D. DE. Mémoire sur la place que doit occuper dans le système ornithologique le genre *Chionis* ou Bec-en-fourreau. < *Ann. des Sci. Nat.*, 2^e sér., vi, 1836, pp. 97-106.

This I have seen, and in fact have closely studied; but the title is taken at second-hand, and may not be literally correct.

Various previous writers upon the subject had either passed over the systematic position of *Chionis* as not determined, or, in attempting its determination, had in turn considered the bird as grallatorial, natatorial, and gallinaceous, and had placed it in one or another of the recognized families, or had made of it a distinct family. The present author, writing at a time when only three specimens of *Chionis alba* were known to him to have existed, describes briefly the external parts of this species, and in more detail the osteology, the material for the study of the latter being an incomplete skeleton obtained through M. Baillon from M. P. E. Botta, who also contributed some details of the visceral anatomy. Relying chiefly upon the characters of the sternum in classification, M. De Blainville made the bird out to be an échassier, closely related to *Hœmatopus*. The reasons for his conclusions are stated categorically in thirteen propositions on p. 106. The position here taken is defended with learning and ingenuity, and has been until recently very generally accepted without question.—Cf. *Bull. U. S. Nat. Mus.*, No. 3, 1876, pp. 86-88.

1841. HARTLAUB, G. Nouvelle espèce de Bec en fourreau (*Chionis* [minor]). < *Revue Zoologique*, iv, 1841, pp. 5, 6; v, 1842, pl. 2, figg. 2, 2a, 2b.

Cette espèce est devenue plus tard le type du genre nouveau *Chionarchus* de MM. Kidder et Coues, *Bull. U. S. Nat. Mus.*, n^o. 3, 1876, p. 116, q. v. Elle a été figurée par M. G. R. Gray, *Gen. Birds*.

1858. EYTON, T. C. Note on the Skeleton of the Sheath-bill (*Chionis alba*). < *P. Z. S.*, xxvi, 1858, pp. 99, 100.

Inclines to place it with *Glareola*.

1858. EYTON, T. C. Note on the Skeleton of the Sheath-bill (*Chionis alba*). < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, p. 67.

From *P. Z. S.*, Feb. 23, 1858, pp. 99, 100.

1869. CUNNINGHAM, R. O. On *Chionis alba*. < *Journ. Anat. and Physiol.*, Nov., 1869, pp. 87-89, pl. vii.

A brief description, illustrated by figures, of the principal digestive organs, and larynx.

1870. CUNNINGHAM, R. O. On *Chiaris* [sic] *alba*. < *Rep. Brit. Assoc. Adv. Sci. for* 1869, 1870, (*Misc. Comm.*), p. 111.

Anatomical notes on *Chionis alba*.

1867. SCLATER, P. L. [Exhibition of a skin of *Chionis minor*.] < *P. Z. S.*, xxxv, 1867, p. 891.

From the Crozet Islands, being that mentioned by E. L. Layard in *Ibis*, 1867, p. 458.

1871. NEWTON, A. [Egg of *Chionis minor* figured.] < *P. Z. S.*, Jan. 17, 1871, p. 57, pl. iv, f. 7.

Not properly citable as a separate article: the notice occurs in a paper entitled, "On some New or Rare Birds' Eggs", running pp. 55-58, pl. iv, figg. 1-8 of the periodical in mention.

1876. KIDDER, J. H. An interesting Bird [*Chionis minor*]. < *Popular Science Monthly*, viii, No. 48, Apr., 1876, pp. 657-665, figs. 1-3.

Popular account of the history, characters, and habits of this species.

1876. [KIDDER, J. H.] The Natural History of Kerguelen Island. < *Am. Nat.*, x, No. 8, 1876, pp. 481-484.

Editorial, prepared from Dr. Kidder's paper. *Chionis minor* the only bird treated.

1876. KIDDER, J. H., and COUES, E. A study of *Chionis minor* with reference to its Structure and Systematic Position. < *Bull. U. S. Nat. Mus.*, No. 3, 1876, pp. 85-116.

After De Blainville's original memoir of 1836 on the anatomy and taxonomy of *C. alba*, this article is the principal authority on the structure and systematic position of the family *Chionididae*. The species studied is *C. minor*, not only fully endorsed as to its specific validity, but raised to the rank of a separate genus (*Chionarchus*, g. n., p. 116). The taxonomic value of the family is also raised to equivalency with the major groups indicated by Huxley by the termination *-morphæ*, under the style of *Chionomorphæ* (p. 115).

The article opens with a review of the literature of the whole subject, from Forster's founding of the genus *Chionis* in 1788, to date, De Blainville's paper being specially noted (pp. 85-90). The description of *C. minor* follows (pp. 91, 92); the anatomy of the same species continues (pp. 92-107) with an account of the principal muscles and viscera, and a description of the whole skeleton. A "Statement of Conclusions deduced from the foregoing" concludes the paper. De Blainville's views of the near relationship of *Chionis* to *Hæmatopus* are criticized and dissented from. "In summing external characters, therefore, we see how exactly *Chionis* stands between grallatorial and natatorial birds, retaining slight but perfectly distinct traces of several other types of structure" (p. 109). "We thus find in *Chionis* a connecting link, closing the narrow gap between the plovers and gulls of the present day. In our opinion, this group represents the survivors of an ancestral type from which both gulls and plovers have descended. And this opinion is strongly supported by the geographical isolation of its habitat, affording but few conditions favorable to variation" (p. 114). *Chionis* being consequently not referable to either of the two superfamily groups between which it stands, the group *Chionomorphæ* is established for its reception, and defined—the Chionomorphs "constituting exactly the heretofore unrecognized link between the Charadriomorphs and Cecomorphs, nearer the latter than the former, and still nearer the common ancestral stock of both." Of the two recognized species, *C. minor* is decided to be "undoubtedly nearest to the ancestral type," and is therefore named *Chionarchus minor*.

Other observations on *Chionis minor*, by Dr. Kidder, are found *ibid.*, p. 7; and in *op. cit.*, No. 2, 1875, pp. 1-—; but these are not separate articles. I am under the impression that one or more special papers on *Chionis* appeared after 1876; but if so, I have not indexed the periodicals in which they are contained.

Hæmatopodidæ.

1773. ———. Beschreibung des Austernsammlers [*Hæmatopus ostralegus*]. < *Berlin. Sammlgn.*, v, 1773, pp. 517–519.
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1783. OTTO, B. C. Der Steindreher [*Tringa* (*Strepsilas*) interpres]. < *Abhandl. Naturf. Gesell. Halle*, i, 1783, pp. 111–120.
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1826. [BOIE, F.] On the Plumage of the Oyster Catcher [*Hæmatopus ostralegus*]. < *Thomson's Ann. Philos.*, new ser., xi, 1826, pp. 71, 72.
Editorial note of Boie's observations.
1833. EVANS, J. A puzzling Specimen of the Oyster-catcher (*Hæmatopus ostralegus* L.). < *London's Mag. Nat. Hist.*, vi, 1833, pp. 152, 153.
From *Hereford Journal*, Dec. 5, 1832.
1834. G[OATLEY], T. The Account of the Oyster Catcher [*Hæmatopus ostralegus*]. < *London's Mag. Nat. Hist.*, vii, 1834, pp. 151, 152.
Cf. *op. cit.*, vi, p. 151.
1846. CHENNELL, F. A. Occurrence of the Oyster-Catcher [*Hæmatopus ostralegus*] inland. < *Zoologist*, iv, 1846, p. 1212.
1846. HALL, T. Longevity of the Oyster Catcher [*Hæmatopus ostralegus*, æt. 30]. < *Zoologist*, iv, 1846, p. 1501.
1848. CABOT, S., JR. [Comparison of the American and European Oyster-catcher (*Hæmatopus*).] < *Proc. Bost. Soc. Nat. Hist.*, iii, 1848, pp. 43, 44.
The former was named *H. palliatus* by Temminck, *Man. Orn.*, ii, p. 532.
1848. CABOT, S., JR. American and European Oyster-catcher. < *Am. Journ. Sci.*, vi, 1848, p. 433.
From *Proc. Bost. Soc.*, iii, 1848, pp. 43, 44.
1849. CURTLER, M. Occurrence of the Oyster-catcher (*Hæmatopus ostralegus*) in Worcestershire. < *Zoologist*, vii, 1849, p. 2455.
1850. GARTH, J. C. Turnstone [*Strepsilas interpres*] associating with Pigeons. < *Zoologist*, viii, 1850, p. 2652.
1858. JÄGER, C. [*Hæmatopus ostralegus* am Main.] < *Naumannia*, viii, 1858, p. 169.
1863. SAXBY, H. L. Green Variety of the Oystercatcher's [*Hæmatopus ostralegus*] Egg. < *Zoologist*, xxi, 1863, p. 8725.
1864. NEWMAN, H. W. Is the Turnstone [*Strepsilas interpres*] near Flamborough and Filey in July? < *Zoologist*, xxii, 1864, pp. 9362, 9363.
1867. CLARK-KENNEDY, A. Plumage of the Oystercatcher [*Hæmatopus ostralegus*]. < *Zoologist*, 2d ser., ii, 1867, pp. 607, 608.
1868. HARVIE-BROWN, J. A. Plumage of the Oystercatcher [*Hæmatopus ostralegus*]. < *Zoologist*, 2d ser., iii, 1868, p. 1178.
1879. "MOWITCH." Black Oyster Catcher [*Hæmatopus niger*]. < *Forest and Stream*, xiii, No. 14, Nov. 6, 1879, p. 785.
Its occurrence in British Columbia.

Scolopacidæ.

1765. STRÖM, H. Beskrivelse voor en Norsk Strand sneppe, kaldet Fiöre-pist [Tringa sp.]. < *Kong. Norske Vidensk.-Selsk. Skrift.*, iii, 1765, pp. 440-445.
Not seen.
1767. STRÖM, H. [Beschreibung einer nordischen Strandschnepfe, Fiöre-pist genannt (Tringa sp.).] < *Drontheim. Ges. Schrift.*, iii, 1767, pp. 395-400.
Not seen. Transl. from *Kong. Norske Vidensk.-Selsk. Skrift.*, iii, 1765, pp. 440-445.
1794. MARKWICK, W. Additional Remarks on the Wood Sandpiper, Tringa [Totanus] glareola. < *Trans. Linn. Soc.*, ii, 1794, p. 325.
The original remarks are in a paper "On the migrations of certain Birds," etc., in *Trans. Linn. Soc.*, 1791, pp. 118-130, pl. xi. The species is here considered as a variety of *T. ochropus* (written *ocropus*). See same view in *London's Mag. Nat. Hist.*, v, 1832, pp. 81, 82.
1794. [MARKWICK, W.] Ueber Linnés braungefleckten Strandläufern, (Tringa [Totanus] Glareola.) < *Meyer's Zool. Annalen*, i, 1794, pp. 331-383, pl. vi.
Auszug aus *Trans. Linn. Soc.*, 1791, p. 128, pl. xi.
1805. VAUGHAN, J. and MILLIGAN, R. Facts and Observations relative to the North-American Woodcock [Philohela minor]. < *Barton's Med. and Phys. Journ.*, part i, vol. ii, 1805, pp. 68-70.
The behavior of the bird during the mating season.
1816. THUNBERG, C. P. Platalaea pygmæa, vidare beskrioven, med figur. < *Kongl. Vetensk.-Acad. Handl.*, 1816, pp. 194-198, pl. vi.
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This paper becomes somewhat conspicuous in the literature of *Scolopacidae*, owing to the fact that we have no great monographs or iconographies in this family of birds. It is the "maiden" effort of a very youthful author, who appears to have been too timid and too inexperienced to do any very brilliant blundering. On this account we may perhaps justify Dr. Selater's very generous mention of Mr. Coues's as a "name new to ornithologists, but not the less heartily welcome as that of a recruit to our ranks, who begins by fighting his first fight well, and against a very hard subject" (*Ibis*, 1862, p. 84). We may add on our own account that no material modification of the specific determinations of North American Sandpipers has since been made. Two or three additional species have since been ascertained to inhabit this country; but otherwise, the species stand very nearly as Mr. Coues left them twenty years ago. The following genera and species are treated, with synonymy, diagnosis, description, habitat, and general criticism:

1. *Micropalama himantopus* (Bp.) Bd. 2. *Ereunetes pusillus* (L.) Cass. 3. *Tringa canutus* L. 4. *Calidris arenaria* (L.) Ill. 5. *Arquatella maritima* (Brinn.) Bd. 6. *Ancylocheilus subarguata* (Güld.) Kaup. 7. *Pelidna americana* (Cass.) Coues. (*P. pacifica*, Coues, n. sp. prob., p. 189.) 8. *Actodromas minutilla* (V.) Coues. 9. *Actodromas bairdii* Coues, n. sp., p. 194. 10. *Actodromas maculata* (V.) Cass. 11. *Actodromas* (*Heteropygia* sive *Delopygia*, subg. n., p. 190) *bonapartei* (Schl.) Cass. 12. *Actodromas* (*Heteropygia*) *cooperi* (Bd.) Coues. Three species attributed to North America by other authors are noticed and discarded: *Actodromas minuta*; *A. temminckii*; *Limicola pygmaea*. The new species, *A. bairdii*, has been considered invalid by Schlegel, who evidently knew nothing about it. The specific distinction of *Pelidna americana* from *P. alpina* is very questionable, and not now generally conceded.

The Sandpipers ascribed to North America since the appearance of this monograph are the following: 1. *Ereunetes occidentalis* Lawr., *Pr. Phila. Acad.*, 1864, p. 107; doubtfully distinct from *E. pusillus*. 2. *Tringa ptilocnemis* Coues, *Elliott's Rep. Pribylor Islands*, 4to, 1873, not paged; this is *T. crasirostris* Dall, *Am. Nat.*, viii, 1873, p. 635, and *T. gracilis* Harting, *P. Z. S.*, 1874, p. 242, pl. 40. It has proved to be an *Arquatella*, and very near *A. maritima*. 3. *Arquatella couesi*, Ridgw., *Bull. Nutt. Ornith. Club*, v, 1880, p. 160.

No second specimen of *Tringa cooperi* has ever come to light. The new species of this paper, *A. bairdii*, has proved to be a very common bird of North and South America, before confounded with *bonapartei*, from which it is utterly different. It may have had a prior name, but none such has been established. The suggested "*Pelidna pacifica*" has never been confirmed. The races of *Ereunetes* remarked upon have not since been recognized and are doubtless invalid. Dr. Coues and some others have since adopted Vieillot's name, *fuscirostris*, for what is here called *bonapartei*; but the applicability of the name to this species seems doubtful.—W. S.

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< *Zool. Gart.*, ii, 1861, p. 116.
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1862. GATCOMBE, J. Variety of Snipe [*Zool.*, p. 4704]. < *Zoologist*, xx, 1862, pp. 7938, 7939.
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1862. GREEN, G. C. The Sandpiper [*Tringoides hypoleucus*] a Diver. < *Zoologist*, xx, 1862, p. 8283.

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1862. LEVEN, R. W. The Sandpiper [*Tringoides hypoleucus*] a Diver. < *Zoologist*, xx, 1862, p. 8237.
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1862. RODD, E. H. [Occurrence of *Gallinago sabinii* in full plumage in Cornwall.] < *P. Z. S.*, xxx, 1862, p. 13.
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- 1864-65. SCHLEGEL, H. Scolopaces. < *Mus. Nat. Hist. Pays-Bas*, 5^e livr., 1864, pp. 1-56; 6^e livr., 1864, pp. 87-102; 7^e livr., 1865, pp. 103-112.
- The birds of this group are treated under the genera *Scolopax* (3 spp.), *Gallinago* (16), *Rhyngchaea* (2), *Prosobonia* (1), *Limosa* (8), *Tringa* (17), *Phalaropus* (3), *Totanus* (12), *Actitis* (4), *Numenius* (10), *Recurvirostra* (3), and *Himantopus* (5)—rather an improvement upon the author's custom of classifying, though we still miss some important genera. There are enumerated a total of 1,280 specimens in the Leyden Museum. Cf. *Ibis*, 1865, p. 533.
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1868. MATHEW, G. F. Blacktailed Godwit [*Limosa melanura*] in Devonshire. < *Zoologist*, 2d ser., iii, 1868, p. 1459.
1868. MATHEW, G. F. Whimbrel [*Numenius phaeopus*] in January. < *Zoologist*, 2d ser., iii, 1868, p. 1135.
1868. MATHEW, G. F. Solitary Snipes [*Gallinago major*] near Parracombe. < *Zoologist*, 2d ser., iii, 1868, p. 1461.
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1868. MOOR, E. C. Woodcock [*Scelopax rusticola*] killed by Telegraph-wires. < *Zoologist*, 2d ser., iii, 1868, p. 1220.
1868. [POPE, W. A.] A Perching Snipe [*Gallinago wilsoni*]. < *Am. Nat.*, ii, 1868, p. 329.
An observation of W. A. Pope's to this effect, from *Land and Water*, and American ornithologists' attention called to the circumstance.
1868. POWELL, A. P. E. Solitary Snipe [*Gallinago major*] on Salisbury Plain. < *Zoologist*, 2d ser., iii, 1868, p. 1461.
1868. RODD, E. H. Occurrence of the Greenshank [*Totanus glottis*] and Reeve [*Machetes pugnax* ♀] at the Land's End. < *Zoologist*, 2d ser., iii, 1868, p. 1256.
1868. RODD, E. H. Spring Moulting of the Jack Snipe [*Gallinago gallinula*]. < *Zoologist*, 2d ser., iii, 1868, p. 1220.
1868. RODD, E. H. The Great Snipe [*Gallinago major*]: Number of Tail-feathers. < *Zoologist*, 2d ser., iii, 1868, p. 1482.
1868. SHORTO, J., JR. Jack Snipe [*Gallinago gallinula*, near Dorchester] in August. < *Zoologist*, 2d ser., iii, 1868, p. 1059.
1868. SMITH, CECIL. Blacktailed Godwit [*Limosa melanura*] in Somersetshire. < *Zoologist*, 2d ser., iii, 1868, p. 1178.
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1868. WATSON, W. Sabine's Snipe [*Gallinago sabinii*]. < *Zoologist*, 2d ser., iii, 1868, pp. 1422, 1423.
A query respecting the characters of the supposed species.
1869. B[OARDMAN], G. A. Perching of Wilson's Snipe [*Gallinago wilsoni*]. < *Am. Nat.*, iii, 1869, p. 222.
Confirms W. A. Pope's observations on this habit of the bird, *Am. Nat.*, ii, 1868, p. 329.
1869. CASTLE, W. W. [Perching] Habits of Snipes [*Gallinago wilsoni* and *Philohela minor*]. < *Am. Nat.*, ii, 1869, p. 663.
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1869. GUNN, T. E. Solitary Snipe [*Gallinago major*] near Norwich. < *Zoologist*, 2d ser., iv, 1869, p. 1722.
1869. GUNN, T. E. Green Sandpiper [*Totanus ochropus*] on the Norfolk Coast. < *Zoologist*, 2d ser., iv, 1869, p. 1866.
1869. GUNN, T. E. Greenshank [*Totanus glottis*] near Yarmouth. < *Zoologist*, 2d ser., iv, 1869, p. 1921.

1869. GURNEY, J. H., JR. Correction of an error: Parasite of Sabine's Snipe [*Gallinago sabinii*]. < *Zoologist*, 2d ser., iv, 1869, pp. 1562, 1563.
1869. GURNEY, J. H., JR. Blacktailed Godwit [*Limosa melanura*] at Hickling. < *Zoologist*, 2d ser., iv, 1869, p. 1802.
1869. HART, W., and SON. Sabine's Snipe [*Gallinago sabinii*] (?) at Christchurch. < *Zoologist*, 2d ser., iv, 1869, p. 1722.
1869. HARTING, J. E. On rare or little-known Limicole. [Part II.] < *Ibis*, 2d ser., v, 1869, pp. 423-434, figg. and pl. xii.
Continued from *tom. cit.*, p. 310. This second instalment of the series of articles treats monographically of *Euryorhynchus pygæus*.
Parts I, III, IV, V, treat of various species of *Charadriidæ*, as stated in previous pages of this Bibliography, where they are all duly entered. But in citing the whole series collectively, as consisting of five papers, dating 1869-73 (see *antea*, p. 838), I have overlooked a sixth paper, on *Recurvirostra*, 1874 (see *postea*, p. 875). Please make the necessary correction, in ink, in your copy of this Bibliography.
1869. RICKARDS, M. S. C. Purple Sandpiper [*Tringa maritima*] at Weston-super-Mare. < *Zoologist*, 2d ser., iv, 1869, p. 1645.
1869. ROBB, E. H. American Stint [*Tringa minutilla*] at Northam Burrows. < *Zoologist*, 2d ser., iv, 1869, p. 1920.
1869. ROWLEY, G. D. White Woodcock [*Scolopax rusticola*]. < *Zoologist*, 2d ser., iv, 1869, p. 1645.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopacidæ. < *P. Z. S.*, xxxvii, 1869, pp. 416-420.
The new Snipe is *Gallinago imperialis*, p. 419.
1869. TEMPLER, R. B. A Buff-coloured Woodcock [*Scolopax rusticola*]. < *Zoologist*, 2d ser., iv, 1869, p. 1602.
1869. [THORPE, T. B.] The Woodcock [*Philohela minor*]. < *Harper's New Monthly Mag.*, xxxix, 1869, pp. 640-647, figs. 1-4.
Natural history and methods of capture.
1869. WARD, E. [Exhibition of a specimen of a melanotic variety of the Common Woodcock (*Scolopax rusticola*).] < *P. Z. S.*, xxxvii, 1869, p. 473.
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From the London 'Field,' Jan. 22, 1870.
1870. BLAKE-KNOX, H. Esquimaux Curlew [*Numenius borealis*] in Dublin Market. < *Zoologist*, 2d ser., v, 1870, pp. 2408, 2409.
1870. BLAKE-KNOX, H. Ruff [*Machetes pugnax* ♂] in Dublin. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. BRANDRETH, H. P. Woodcock [*Scolopax rusticola*] on the 19th of March [at Standish Rectory] < *Zoologist*, 2d ser., v, 1870, p. 2411.
1870. BROWNE, A. M. Curlew Sandpiper [*Tringa subarquata*] near Aberyst-wth. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1870. CABANIS, J. [Ueber Bildung und Anzahl der seitlichen Stenerfedern bei Gallinago, und über G. heterocerca n. sp.] < *J. f. O.*, xviii, 1870, pp. 235, 236.
1870. COUES, E. Foot-notes from a Page of Sand. < *Am. Nat.*, iv, 1870, pp. 297-303.
A popular account of tracks made on the sea-shore by *Ereunetes pusillus*, and how to identify them.
1870. GUNN, T. E. Ruff [*Machetes pugnax* ♂] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2103.
1870. GUNN, T. E. Wood Sandpipers [*Totanus glareola*] and Greenshanks [*Totanus glottis*] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2384.
1870. GUNN, T. E. Solitary Snipe [*Gallinago major*] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2384.

1870. GURNEY, J. H., JR. Woodcock [*Scolopax rusticola*] and Godwit [*Limosa* —]. < *Zoologist*, 2d ser., v, 1870, p. 2345.
1870. HARTING, J. E. [Exhibition of a specimen of *Totanus fuscus*.] < *P. Z. S.*, xxxviii, 1870, p. 221.
1870. HARTING, J. E. [Occurrence of *Tringa bairdii*, Cones, at Walvisch Bay, S. Africa, Oct. 24, 1863.] < *Ibis*, 2d ser., vi, 1870, pp. 151, 152.
1870. HORNE, C. Jack Snipe [*Gallinago gallinula*] in a Norwood Garden. < *Zoologist*, 2d ser., v, 1870, p. 2141.
1870. "J. W. D." Sabine's Snipe [*Gallinago sabinii*]. < *Zoologist*, 2d ser., v, 1870, p. 2103.
From the 'Field.'
1870. MOOR, E. C. Green Sandpiper [*Totanus ochropus*] at Hasketon. < *Zoologist*, 2d ser., v, 1870, p. 2105.
1870. RICKARDS, M. S. C. The American Stint [*Tringa minutilla*] at Northam Burrows. < *Zoologist*, 2d ser., v, 1870, p. 2025.
1870. RICKARDS, M. S. C. American Stint [*Tringa minutilla*, at Northam Burrows]. < *Zoologist*, 2d ser., v, 1870, p. 2385.
1870. RODD, E. H. Blacktailed Godwit [*Limosa ægocephala*] in Summer Plumage at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2182.
1870. RODD, E. H. British Sandpipers at Scilly. < *Zoologist*, 2d ser., v, 1870, pp. 2345, 2346.
1870. RODD, E. H. Pectoral Stint or Sandpiper [*Tringa maculata*] at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2346.
1870. RODD, E. H. [Another case of *Tringa maculata*] Pectoral Sandpiper at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2346.
1870. RODD, E. H. Buff-breasted Sandpiper [*Tryngites rufescens*] at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2346.
1870. RODD, E. H. Schinz's Stint [*Tringa bonapartii*] at Scilly. < *Zoologist*, 2d ser., v, 1870, pp. 2384, 2385.
1870. RODD, E. H. Schinz's Stint [*Tringa bonapartii*] at the Lizard. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1870. SMEE, A. H. Woodcock [*Scolopax rusticola*] in August. < *Zoologist*, 2d ser., v, 1870, p. 2384.
1870. SMEE, A. H. Little Stint [*Tringa minuta*], &c., near Leigh. < *Zoologist*, 2d ser., v, 1870, p. 2385.
1870. SMITH, CECIL. Ruff [*Machetes pugnax* ♂] in Somersetshire. < *Zoologist*, 2d ser., v, 1870, p. 2103.
1870. SMITH, CECIL. Schinz's Sandpiper [*Tringa bonapartii*] in North Devon. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1870. SMITH, CECIL. Sternum of Schinz's Sandpiper [*Tringa bonapartii*]. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1871. BATES, B. Schinz's Sandpiper [*Tringa bonapartii*] at Eastbourne. < *Zoologist*, 2d ser., vi, 1871, p. 2442.
1871. BLAKE-KNOX, H. Little Stint [*Tringa minuta*] on the Dublin Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2609.
1871. BROOKE, V. [Remarks upon exhibition of a specimen of *Numenius borealis* from Sligo, Ireland.] < *P. Z. S.*, xxxix, 1871, p. 299.
1871. DESFONTAINES, G. La Ganga [*Actiturus bartramius*] de México. < *La Naturaleza*, ii, 1871, pp. 154-158.

Caracteres genéricos y específicos—costumbres y hábitos.

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Philohela minor supposed to prevent the increase of *Soricidæ*.
1871. FULLER, O. The Stilt Sandpiper [*Micropalama himantopus*] in Massachusetts.
 < *Am. Nat.*, v, 1871, p. 727.
1871. GUNN, T. E. Solitary Snipes [*Gallinago major*] in Norfolk. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. GUNN, T. E. Ruffs and Reeves [*Machetes pugnax* ♂ ♀] at Yarmouth. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. GURNEY, J. H., JR. The Wader at Whitby [*i. e.*, *Machetes pugnax*, Zool., s. s., p. 2772.] < *Zoologist*, 2d ser., vi, 1871, p. 2806.
Vanellus gregarius or *Machetes pugnax*? As will be seen by several titles below, the "Whitby Wader" occasioned considerable correspondence before it was finally determined to be *Machetes pugnax*. ♂, juv.
1871. GURNEY, J. E., JR. Ruffs [*Machetes pugnax* ♂, at Romney Bay, near Lydd]. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. HARTING, J. E. [Remarks upon exhibition of a specimen of the so-called Sabine's Snipe.] < *P. Z. S.*, xxxix, 1871, p. 39.
 "*Gallinago sabinii*" = *G. gallinula*, melanotic.
1871. HARTING, J. E. The Whitby Wader [*Machetes pugnax*]. < *Zoologist*, 2d ser., vi, 1871, pp. 2851, 2852.
1871. LEACH, H. R. Temminck's Stint [*Tringa temmincki*] at Aldeburgh. < *Zoologist*, 2d ser., vi, 1870, p. 2871.
1871. MATHEW, M. A. Schinz's Sandpiper [*Tringa bonapartii*] at Barnstaple. < *Zoologist*, 2d ser., vi, 1871, pp. 2441, 2442.
1871. MITFORD, R. H. Ruff and Reeve [*Machetes pugnax* ♂] in Middlesex. < *Zoologist*, 2d ser., vi, 1871, p. 2806.
1871. NEWTON, A. [Exhibition of some rare European Birds' Eggs.] < *P. Z. S.*, xxxix, 1871, pp. 546, 547.
Calidris arenaria remarked upon.
1871. POWER, F. D. Ruff [*Machetes pugnax* ♂] in Middlesex. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. RICKARDS, M. S. C. Green Sandpiper [*Totanus ochropus*] at Scilly. < *Zoologist*, 2d ser., vi, 1871, p. 2485.
1871. RICKARDS, M. S. C. Pectoral Sandpiper [*Tringa maculata*] at Braunton Burrows. < *Zoologist*, 2d ser., vi, 1871, pp. 2808, 2809.
1871. RICKARDS, M. S. C. Greenshank [*Totanus glottis*] and Green Sandpiper [*Totanus ochropus*] near Barnstable. < *Zoologist*, 2d ser., vi, 1871, pp. 2809, 2810.
1871. RICKARDS, M. S. C. Wood Sandpiper [*Totanus glareola*] at Braunton Burrows. < *Zoologist*, 2d ser., vi, 1871, p. 2851.
1871. RODD, E. H. Yellowshanked Sandpiper [*Totanus flavipes*] near Marazion. < *Zoologist*, 2d ser., vi, 1871, pp. 2807, 2808.
1871. RODD, E. H. Snipe-shooting at St. Mary's, Scilly. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. SIMPSON, M. Name of a Wader [*i. e.*, *Machetes pugnax*]. < *Zoologist*, 2d ser., vi, 1871, p. 2772.
1871. SIMPSON, M. The Whitby Wader [*Totanus bartramius*? *i. e.*, *Machetes pugnax*]. < *Zoologist*, 2d ser., vi, 1871, p. 2870.
1871. SMITH, CECIL. Wood Sandpiper [*Totanus glareola*] in Somersetshire. < *Zoologist*, 2d ser., vi, 1871, p. 2441.
1871. TACZANOWSKI, L. Notiz über die ostsibirischen Numenius-Arten. < *J. f. O.*, xix, 1871, pp. 56-61.
N. arquata, *australis*, *nasicus*.

1871. TACZANOWSKI, L. Nachtrag zur Notiz [tom. cit. 56] über die ostsibirischen Numenius-Arten. < *J. f. O.*, xix, 1871, pp. 395, 396.
1871. TUCK, T. G. Blackwinged Stilt [i. e., *Totanus calidris*] near Bury St. Edmunds. < *Zoologist*, 2d ser., vi, 1871, p. 2684.
See *op. cit.*, vii, 1872, p. 3064, where identified as above.
1871. TUCK, T. G. Spotted Sandpiper [*Tringoides macularius*] near Bury St. Edmunds. < *Zoologist*, 2d ser., vi, 1871, p. 2684.
1872. BOND, F. The Whithy Wader [*Machetes pugnax*]. < *Zoologist*, 2d ser., vii, 1872, p. 2905.
At length determined to be *Machetes pugnax*, ♂, juv.
1872. BOYES, F. Snipes [*Gallinago* sp.] "Drumming" in Winter. < *Zoologist*, 2d ser., vii, 1872, p. 2934.
1872. CORBIN, G. B. Woodcock [*Scolopax rusticola*] Breeding in the New Forest. < *Zoologist*, 2d ser., vii, 1872, p. 3260.
1872. DURNFORD, H. Sanderlings [*Calidris arenaria*] at the Mouth of the Mersey. < *Zoologist*, 2d ser., vii, 1872, p. 3149.
1872. FEILDEN, H. W. Woodcocks [*Scolopax rusticola*] breeding in Wolmar Forest. < *Zoologist*, 2d ser., vii, 1872, p. 3188.
1872. FEILDEN, H. W. Sabine's Snipe [*Gallinago sabinii*] in Scotland. < *Zoologist*, 2d ser., vii, 1872, p. 3188.
1872. GURNEY, J. H. JR. Whimbrel [*Numenius phaeopus*] near Stratford and Dnnlin [*Tringa alpina*] near Leamington. < *Zoologist*, 2d ser., vii, 1872, p. 3273.
1872. HARTING, J. E. Supposed Occurrence of Wilson's Snipe in Cornwall [*Zool. s. s.*, 3149]. < *Zoologist*, 2d ser., vii, 1872, pp. 3273, 3274.
It was only a var. of *G. media*. But an authentic instance of occurrence of *G. wilsoni* in England is here noted.
1872. HÜGEL, A. V. Woodcock [*Scolopax rusticola*] breeding in the New Forest. < *Zoologist*, 2d ser., vii, 1872, p. 3236.
1872. LEACH, H. R. Sanderlings [*Calidris arenaria*] and Cockle [attached to its foot]. < *Zoologist*, 2d ser., vii, 1872, p. 3314.
1872. MATHEW, G. F. Greenshanks [*Totanus glottis*], &c., near Newton. < *Zoologist*, 2d ser., vii, 1872, p. 2945.
1872. PICKARD-CAMBRIDGE, O. Snipe [*Gallinago* sp.] "Drumming" on the 2nd of February. < *Zoologist*, 2d ser., vii, 1872, pp. 2993, 2994.
1872. RICKARDS, M. S. C. [Musky] Scent of Wood Sandpiper [*Totanus glareola*]. < *Zoologist*, 2d ser., vii, 1872, p. 2945.
1872. RODD, E. H. Wilson's Snipe [i. e., *Gallinago media*] in Cornwall. < *Zoologist*, 2d ser., vii, 1872, p. 3149.
See *ibid.*, p. 3273.
1872. STEVENS, S. Spotted Redshank [*Totanus fuscus*] near Arundel. < *Zoologist*, 2d ser., vii, 1872, p. 3316.
1872. TUCK, T. G. Redshank [*Totanus calidris*] recorded [*Zool. s. s.*, 2684] as Black-winged Stilt. < *Zoologist*, 2d ser., vii, 1872, p. 3064.
1873. ANON. Woodcock [*Scolopax rusticola*] at Clapton. < *Zoologist*, 2d ser., viii, 1873, p. 2529.
1873. ANON. [Manner of "boring" of *Philohela minor*.] < *Forest and Stream*, i, Nov. 27, 1873, p. 251.
1873. BLASIUS, W. [Ueber *Gallinago heterocerca* Cab.] < *Ber. über d. xx. Versamml. d. Deutsch. Orn.-Ges.*, 1873, p. 11.
1873. CORBIN, G. B. Whimbrel [*Numenius phaeopus*] in the New Forest. < *Zoologist*, 2d ser., viii, 1873, pp. 3651, 3652.

1873. CORDEAUX, J. On the Migration and Habits of the Curlew Sandpiper (*Tringa subarquata*, Gtildenstaedt). < *Zoologist*, 2d ser., viii, 1873, pp. 3720-3722.
1873. DALL, W. H. Addition to the Avi-fauna of North America. < *Am. Nat.*, vii, 1873, pp. 634, 635.
Tringa "crassirostris", [i. e., *T. ptiloenemis* Coues,] in the Aloutian Islands.
1873. DURNFORD, H. Dark Variety of the Common Snipe [*Gallinago media*]. < *Zoologist*, 2d ser., viii, 1873, p. 3529.
1873. FOULKS, O. D. The Woodcock [*Philohela minor*]. < *Am. Sportsman*, ii, 1873, p. 178.
 Biography.
1873. HARVIE-BROWN, J. A. Curlew Sandpiper [*Tringa subarquata*], Ruffs and Reeves [*Machetes pugnax*, ♂ ♀, near Falkirk], &c. < *Zoologist*, 2d ser., viii, 1873, p. 3803.
1873. LILFORD, Lord. [Occurrence of *Numenius hudsonicus* in the Coto de Doñana, Spain.] < *Ibis*, 3d ser., iii, 1873, p. 98.
1873. "MASSACHUSETTS" and "BORER". Where Woodcock [*Philohela minor*] moult. < *Am. Sportsman*, ii, 1873, p. 172. See also p. 178.
1873. PRÄLLE, [W. A. E.] [Ueber *Telmatias gallinula* L.-Eier aus Hannover.] < *Ber. über d. x. Versamm. d. Deutsch. Orn.-Ges.*, 1873, pp. 5-7.
1873. ROPE, G. T. Nesting of the Woodcock [*Scolopax rusticola*] in Suffolk. < *Zoologist*, 2d ser., viii, 1873, p. 3616.
1873. STÖLKER, C. Die gemeine Sumpf- oder Heerschnepfe, Bekassine (*Scolopax gallinago* L.) in Gefangenschaft. < *Zool. Gart.*, xiv, 1873, pp. 477, 478.
 In „Ornithologische Beobachtungen,“ St. Gallen, 1873.
1873. "W. E. H." [Late breeding of *Philohela minor*.] < *Am. Sportsman*, iii, 1873, p. 70.
1873. WHITAKER, J., JR. Spotted Redshank [*Totanus fuscus*, in Beetwood Park]. < *Zoologist*, 2d ser., viii, 1873, p. 3492.
1874. "A. M." Arrival of Woodcock [*Philohela minor*, at Fort Lee, New Jersey]. < *Am. Sportsman*, ii, 1874, p. 412.
1874. ANON. [EDITORIAL.] The Scarcity of Woodcock [*Philohela minor*]. < *Forest and Stream*, iii, Dec. 10, 1874, p. 277.
1874. "A. W." Woodcock [*Philohela minor*] Carrying their Young. < *Am. Sportsman*, iv, 1874, p. 139.
 Nestlings supposed to attach themselves to parent. Compare iii, p. 379, and iv, pp. 10, 75, 92. It was about this time that the curious fact that the bird transports her young when in danger began to be noticed in this country, though long known in case of *Scolopax rusticola* (see *Zoologist*, xi, 1853, p. 4017). Various writers describe the manner in which they suppose it to be done—not easy to determine, in the nature of the case. According to the most reliable observations, the bird holds the young one so closely to her abdomen, between her legs, that the two appear as one body; thus apparently giving rise to the supposition of "A. W." that the young "attach themselves to the parent." A plate has lately been published (*Zoologist*, 3d ser., iii, 1879, p. 433) figuring the European Woodcock (*Scolopax rusticola*) flying with a young one in her claws, remote from her body, much as a hawk would carry a chicken. But there is doubtless a difference in this respect; for the text of the same article speaks of another case in which the little one was held tightly to the body of the mother, between her thighs, exactly as the American bird has been seen to do. The two species probably do not differ from each other in the way they do it, though this may not be always exactly the same in either.
1874. BATTY, J. H. Woodcock [*Philohela minor*] killing themselves. < *Am. Sportsman*, iv, 1874, p. 76.
1874. BREWSTER, W. Love-Notes of the Woodcock [*Philohela minor*]. < *Am. Sportsman*, iv, 1874, p. 19. See also pp. 41, 92.
 Singing on the wing after sunset.

1874. COUES, E. New Species of North American Bird [*Tringa ptilocnemis*]. < *Am. Nat.*, viii, 1874, pp. 500, 501.
 Reproduction of the description of *Tringa ptilocnemis*, Coues, from H. W. Elliott's *Rep. Prybilov Islands*, 4to, 1873, App., not paged—the original being nearly inaccessible.
1874. DURNFORD, H. Malformation in Upper Mandible of a Redshank [*Totanus calidris*]. < *Zoologist*, 2d ser., ix, 1874, pp. 3999, 4000.
1874. "DRY LAND." Late woodcock [*Philohela minor*]. < *Forest and Stream*, iii, Dec. 3, 1874, p. 267.
Philohela minor and *Gallinago wilsoni* at Salem, Mass., in December.
1874. "E. H. L." Curious trick of a woodcock [*Philohela minor*]. < *Am. Sportsman*, iii, 1874, p. 379. See also iv, p. 10.
 Parent woodcock carrying young in her beak.
1874. HARTING, J. E. On a new Species of *Tringa* [*Tringa gracilis*] from Alaska. < *P. Z. S.*, xlii, 1874, pp. 242-244, pl. xl.
 The pl. shows also bill, feet, and tail of *T. alpina* and *T. crassirostris*.—The species was later identified with *T. ptilocnemis*, Coues.
1874. "HOMO." [C. S. WESTCOTT.] Upland Plover [*Actitis bartramius*] Shooting. < *Am. Sportsman*, iv, 1874, p. 231.
1874. "HOMO." [C. S. WESTCOTT.] The Summer moult of Woodcock [*Philohela minor*]. < *Forest and Stream*, ii, March 19, 1874, p. 86.
1874. "HOMO." [C. S. WESTCOTT.] Woodcock [*Philohela minor*] and Woodcock Shooting. < *Forest and Stream*, iii, Oct. 8, 1874, p. 131.
1874. "HOMO." [C. S. WESTCOTT.] Snipe [*Gallinago wilsoni*] and Snipe Shooting. < *Forest and Stream*, iii, Oct. 22, 1874, p. 163.
1874. "H. P. S." Early Woodcock [*Philohela minor*]. < *Am. Sportsman*, iii, 1874, p. 395.
 At Troy, N. Y., March 7.
1874. "PHILOHELA." Woodcock [*Philohela minor*] in Boston [Boylston street]. < *Am. Sportsman*, iv, 1874, p. 91.
1874. "HERBERT". The Song of the Woodcock [*Philohela minor*]. < *Am. Sportsman*, iv, 1874, p. 92.
 Sings at evening (see p. 19) and carries young by clasping it between the thighs (see p. 75).
1874. LAMBERTON, A. B. The American Snipe [*Gallinago wilsoni*]. < *Am. Sportsman*, iv, 1874, p. 99 and p. 115. See p. 155.
1874. MATHEW, G. F. Green Sandpiper [*Totanus ochropus*, in Great Britain]. < *Zoologist*, 2d ser., ix, 1874, p. 4159.
1874. PERSE, A. Sabine's Snipe [*Gallinago sabinii*] in County Galway. < *Zoologist*, 2d ser., ix, 1874, p. 3836.
1874. ROBINSON, E. White Woodcock [*Scolopax rusticola*] in Ireland. < *Zoologist*, 2d ser., ix, 1874, p. 3915.
1874. ROBERTS, G., EDSON, —, and NEWMAN, E. Communications and Extracts concerning the Marsh Sandpiper (*Totanus stagnatilis* of Bechstein). < *Zoologist*, 2d ser., ix, 1874, pp. 4054-4056.
1874. RODD, E. H. Woodcocks [*Scolopax rusticola*] in the Scilly Isles. < *Zoologist*, 2d ser., ix, 1874, p. 4260.
1874. "SETTER." Woodcock [*Philohela minor*] carrying their young. < *Am. Sportsman*, iv, 1874, p. 10.
Philohela minor carrying its young on its back in flight; also in its claws; confirming observation of "E. H. L.", *ibid.*, iii, p. 379. See also p. 139.
1874. SHAW, J. Solitary Snipe [*Gallinago major*] in Lancashire. < *Zoologist*, 2d ser., ix, 1874, p. 3836.
 From 'Field,' Oct. 4, 1873.

1874. "TIMBERDOODLE." A Woodcock [*Philohela minor*] Out of Place. < *Am. Sportsman*, iv, 1874, p. 28.
1874. "W. B." German Sporting Notes. < *Am. Sportsman*, iv, 1874, p. 75.
Philohela minor carries its young, holding them with its claws, between its legs. Compare iv, p. 10, and iii, p. 379.
1874. WHITAKER, J. Bartailed Godwit [*Limosa lapponica*] in Nottinghamshire. < *Zoologist*, 2d ser., ix, 1874, p. 4199.
1874. "WING NOTE". Ideas of a Georgia Sportsman [as to sounds made by *Gallinago wilsoni*, while descending]. < *Am. Sportsman*, iv, 1874, p. 155.
1874. WYMAN, L. [Habits of *Actiturus bartramius* in Massachusetts.] < *Forest and Stream*, i, Jan. 8, 1874, p. 342.
1875. "ALUQUIS." The Woodcock [*Philohela minor*] as a song bird. < *Forest and Stream*, iv, June 3, 1875, p. 262.
1875. ANON. Artifices of the Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, April 22, 1875, p. 167. See also p. 215.
1875. ANON. [EDITORIAL.] Instinct in the Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, June 10, 1875, p. 279.
 Carrying young in its claws.
1875. ANON. [TILESTON, W. M.] Tame Snipe. < *Forest and Stream*, v, Sept. 9, 1875, p. 68.
 Successful experiments in keeping Snipe in various parts of the world.
1875. ANON. [EDITORIAL.] The Woodcock [*Philohela minor*]. < *Rod and Gun*, vi, April 17, 1875, p. 40. See also p. 67.
 Need of legislative protection. The volume contains frequent allusion to, and arguments for, this measure, from various correspondents.
1875. ANON. [EDITORIAL.] [Characteristics and pseudonyms of *Tringa maculata*.] < *Rod and Gun*, vi, April 17, 1875, p. 42.
1875. DE BANES, J. Habits of the Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, March 25, 1875, p. 101.
 Full biography, from observations in Western New York.
1875. "E. E. E." First Snipe [*Gallinago wilsoni*, at Elkton, Md.]. < *Rod and Gun*, vi, Apr. 3, 1875, p. 10.
1875. "E. R." Artifices of Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, July 1, 1875, p. 326. See also p. 127, 215.
1875. COFFIN, C. E. Confidences of Woodcock [*Philohela minor*, on the nest]. < *Forest and Stream*, v, Sept. 9, 1875, p. 68. See also p. 4.
1875. "GEO. H. M." Traits of Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, May 13, 1875, p. 215. See pp. 167, 215.
1875. GUNN, T. E. Solitary Snipe [*Gallinago major*] in Norfolk. < *Zoologist*, 2d ser., x, Oct., 1875, pp. 4665, 4666.
1875. GUNN, T. E. Spotted Redshank [*Totanus fuscus*] in Norfolk. < *Zoologist*, 2d ser., x, Oct., 1875, p. 4666.
1875. GURNEY, J. H., JR. Green Sandpiper [*Totanus ochropus*] at Northrepps. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4697.
1875. HODGKINSON, J. B. Brown Snipe near Southport. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4341.
1875. INGERSOLL, E. Remarkable success in taming Woodcocks [*Philohela minor*]. < *Forest and Stream*, v, Dec. 2, 1875, p. 260.
1875. LINDEN, C. Preservation of Woodcock [*Philohela minor*]. < *Rod and Gun*, vi, May 1, 1875, p. 67. See also p. 40.
 General natural history.
1875. "RECAPPER." [T. C. ABBOTT.] The American Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, Apr. 1, 1875, p. 117.

1875. WEBSTER, F. S. Gallinago Wilsoni [at Troy, N. Y.]. < *Forest and Stream*, iv, Mar. 18, 1875, p. 85.
1875. WHITAKER, J. Curlew [Numenius arquatus] in Nottinghamshire. < *Zoologist*, 2d ser., x, Mar., 1875, p. 4382.
1875. [WILLARD, S. L.] The American Woodcock, *Philohela minor*. < *Oölogist*, i, 1875, p. 71.
1875. [WILLARD, S. L.] The Solitary Sandpiper. (*Rhyacophilus solitarius*.) < *Oölogist*, i, 1875, p. 45.
1876. ANON. Woodcock [*Philohela minor*] on her nest. < *Forest and Stream*, vi, May 25, 1876, p. 250, fig.
1876. BALFOUR, T. G. Whimbrel [*Numenius phæopus*] in Wiltshire. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5166.
1876. "B. L." Woodcock [*Philohela minor*] in the South. < *Rod and Gun*, viii, Sept. 16, 1876, p. 389.
1876. BOYES, F. Green Sandpipers [*Totanus ochropus*] near Beverley. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5168.
1876. BOYES, F. Woodcock [*Scolopax rusticola*] migrating in July. < *Zoologist*, 2d ser., xi, Nov., 1876, pp. 5166, 5167.
1876. BREWSTER, W. Occurrence of the Curlew Sandpiper [*Tringa subarquata*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, pp. 51, 52.
1876. COOPER, J. Curious Habit of the Common Sandpiper [*Tringoides hypoleucus*]. < *Zoologist*, 2d ser., xi, Oct., 1876, pp. 5125, 5126.
1876. CORDEAUX, J. Great Snipe [*Gallinago major*] in Perthshire. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5167.
1876. COUES, E. European Woodcock [*Scolopax rusticola*] Shot in Virginia. < *Forest and Stream*, vi, Apr. 27, 1876, p. 180.
This and the next title refer to the same instance.
1876. COUES, E. The European Woodcock [*Scolopax rusticola*] shot in Virginia. < *Am. Nat.*, x, No. 6, June, 1876, p. 372.
1876. COUES, E. The Woodcock (*Philohela minor*). < *Rod and Gun*, viii, July 8, 1876, p. 227, fig.
From his "Birds of the Northwest." See also p. 260.
1876. "CANONICUS." Nature and Habits of the Woodcock [*Philohela minor*]. < *Rod and Gun*, viii, May 20, 1876, p. 114, and May 27, 1876, p. 134.
1876. DRESSER, H. E. On a new Species of Broadbilled Sandpiper [*Limicola sibirica*]. < *P. Z. S.*, June 20, 1876, pp. 674, 675.
1876. GATCOMBE, J. Great Snipe [*Gallinago major*] in Devon. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5126.
1876. GURNEY, J. H., JR. Dunlins [*Tringa alpina*] Inland. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4802.
1876. GURNEY, J. H., JR. Woodcock's [*Scolopax rusticola*] Mode of Carrying its Young. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4844.
1876. GURNEY, J. H., JR. Bartailed Godwit [*Limosa lapponica*]. < *Zoologist*, 2d ser., xi, Aug., 1876, p. 5046.
1876. GURNEY, J. H., JR. Woodcock [*Scolopax rusticola*] migrating in July. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.
1876. GURNEY, J. H., JR. The Redshank [*Totanus calidris*] at Northrepps. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.
1876. GURNEY, J. H., JR. Green Sandpiper [*Totanus ochropus*] at Northrepps. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.

1876. GURNEY, J. H., JR. Green Sandpiper [*Totanus oehropus*] at Northrepps. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5125.
1876. HARTING, J. E. Bartram's Sandpiper [*Aetiturus bartramius*]. < *Rod and Gun*, viii, Apr. 29, 1876, p. 71.
From London *Field* of Mar. 25, 1876.
1876. KERRY, F. Knot [*Tringa canutus*] and Green Sandpiper [*Totanus oehropus*] at Aldeburgh. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.
1876. MATHEW, G. F. Bartailed Godwit [*Limosa lapponica*]. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4764.
1876. "REX." [S. J. MILLS.] Woodcock [*Philohela minor*]. < *Rod and Gun*, viii, July 22, 1876, p. 260.
Notes on spring voice of this species. See p. 22.
1876. RODD, E. H. Sabine's Snipe [*Gallinago sabinii*] near Penzance. < *Zoologist*, 2d ser., xi, Feb., 1876, pp. 4801, 4802.
1876. RODD, E. H. Note on Sabine's Snipe (*Scolopax* [*Gallinago*] *Sabini*). < *Zoologist*, 2d ser., xi, Nov., 1876, pp. 5142-5145.
On its specific validity.
1876. [SCOTT, W. E. D.] A Key to our Shore Birds.—II. < *Forest and Stream*, Aug. 10, 1876.
This second instalment of an analysis, for the use of sportsmen, of the North American *Limicolæ*, gives brief characters of all the *Scolopacidæ*.
1876. "SNIPE." Early Snipe. < *Rod and Gun*, vii, Feb. 5, 1876, p. 290.
Gallinago wilsoni (?) at Baltimore Jan. 16.
1877. ANON. Woodcock [*Philohela minor*]. < *Rod and Gun*, ix, Mar. 10, 1877, p. 360.
Its ability to endure much rigorous weather.
1877. B[RACKETT, A. E.] Jack Snipe in Colorado. < *Forest and Stream*, ix, Dec. 27, 1877, p. 397.
1877. "BOURGEOISE." Woodcock [*Philohela minor*] a la Bourgeoise. < *Forest and Stream*, viii, July 26, 1877, p. 421.
1877. [BREWER, T. M.] The Nesting of the Snipe [*Gallinago wilsoni*, in southern localities]. < *Forest and Stream*, ix, Dec. 27, 1877, p. 397. See pp. 285, 326.
1877. BREWER, T. M. The Willet [*Symphemia semipalmata*, breeding along the Atlantic coast of the United States]. < *Forest and Stream*, ix, Sept. 27, 1877, p. 144.
1877. HARTING, J. E. [Remarks on Exhibition of a variety of the common Snipe, *Gallinago media*.] < *P. Z. S.*, June 19, 1877, p. 533.
Showing the so-called *G. sabinii* to be a melanism of this species.
1877. HUIDEKOPER, E. Breeding of Wilson Snipe [*Gallinago wilsoni*, at Meadville, Pa.]. < *Forest and Stream*, ix, Nov. 29, 1877, p. 326. See p. 285.
1877. HOYT, R. D. The Woodcock [*Philohela minor*, breeding] in Florida. < *Forest and Stream*, viii, Apr. 5, 1877, p. 129. See p. 82.
1877. [MERRIAM, C. H.] Breeding of Wilson Snipe [*Gallinago wilsoni*]. < *Forest and Stream*, ix, Nov. 5, 1877, p. 285. See p. 326.
Report of its breeding in Connecticut; from his "Review of the Birds of Connecticut," 1877, p. 105.
1877. SEVERANCE, J. A. Nomenclature [of *Gallinago wilsoni* corrected]. < *Forest and Stream*, viii, Apr. 5, 1877, p. 128.
1878. ABBOTT, C. C. The English Snipe [*Gallinago wilsoni*] in New Jersey. < *The Country*, i, Jan. 26, 1878, p. 180.
Breeding at Trenton, N. J.; specimens supposed to have been unable, through injury, to go northward; note appended by W. E. D. Scott, doubting this explanation.
1878. "ANO." Early Birds. < *Forest and Stream*, x, Apr. 25, 1878, p. 216.
Woodcock breeding at Painesville, Ohio, Apr. 7.

1873. [APPLETON, G. L.] A Large Woodcock [weight nine ounces]. < *Forest and Stream*, x, Mar. 14, 1878, p. 95.

It is not impossible that this and some similar records of unusually large Woodcock shot in the United States have actual reference to the European *Scolopax rusticola*.

1878. BREWER, T. M. The Stilt Sandpiper (*Micropalama himantopus*). < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 148.

Its frequent occurrence on Long Island, according to observations of G. N. Lawrence.

1878. BREWER, T. M. Eggs of the Solitary Sandpiper (*Rhyacophilus solitarius* Bp.). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 197.

Important as being doubtless the first description of an authentic egg of this species. The supposed egg had occasionally been reported before, but never with positive identification, that of *Tringoides macularius* or *Egialitis vocifera* having been usually mistaken for it.

1878. BREWER, T. M. Notes on the Occurrence of *Micropalama himantopus* in New England. < *Proc. Bost. Soc. Nat. Hist.*, xix, for Oct. 3, 1877, pub. Jan. Feb., 1878, pp. 252-256.

This is quite an extensive paper, giving the particulars of various occurrences.

1878. BROWN, N. C. The Stilt Sandpiper (*Micropalama himantopus*) at Portland, Maine. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 102.

1878. [CHUBB, J.] Early Snipe [*Gallinago wilsoni*, at Cleveland, Ohio]. < *Forest and Stream*, x, Mar. 28, 1878, p. 135.

1878. HEAD, J. F. Breeding of the Woodcock [*Philohela minor*] in Georgia. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 151.

Communicated by E. Coues; comment by W. Brewster on its breeding in Florida.

1878. "J. M. W." Woodcock [*Philohela minor*] killed by Telegraph Wires. < *Familiar Sci. and Fanciers' Journ.*, v, No. 5, May, 1878, p. 94.

1878. [WILLARD, S. L.] "Tip-up" [*Tringoides macularius*]. < *The Oölogist*, iv, No. 3, May, 1878, pp. 22, 23.

Notice of its habits, mostly quoted from Coues's "Birds of the Northwest."

1878. WOOD-MASON, J. On the Structure and Development of the Trachea in the Indian Painted Snipe (*Rhynchæa capensis*). < *P. Z. S.*, June 18, 1878, pp. 745-751, figg. 1, 2, pl. xlvii.

Peculiarly convoluted trachea in the ♀. This sex offers reversal of secondary sexual characters and instincts—being larger and more richly colored than the ♂, having the trachea tortuous instead of simple, deputed the duty of incubation to the ♂, and doing the courting business herself. The parts in mention are figured.

1879. BREWER, T. M. The Eggs of the Curlew Sandpiper (*Tringa subarquata*). < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 190.

Doubtless a mistake. In *Ibis*, 1879, p. 375, Dr. Brewer makes the same statements. H. W. Feilden criticizes the statements in *Ibis*, 1879, p. 468; and the case is reviewed at length by J. E. Harting, *Zool.*, Mar., 1880, p. 104. The bird may have been *Tringa canutus* or *Phalaropus fulicarius*. Authentic eggs of *Tringa subarquata* continue to be unknown.

1879. COUES, E. Letters on Ornithology. No. 19.—The Curlews [*Numenius* spp.] of North America. < *The Chicago Field*, Apr. 26, 1879.

Matter rearranged from accounts of three species in "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 25.—The Solitary Tattler: Wood Tattler. *Totanus Solitarius*. < *The Chicago Field*, June 21, 1879.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 26.—Semipalmated Tattler, Willet, Stone Snipe. (*Totanus Semipalmatus*.) < *The Chicago Field*, June 23, 1879.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 27.—Bartramian Sandpiper or Tattler; Upland Plover. *Actitis Bartramius*. < *The Chicago Field*, July 5, 1879.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 28.—The Buff-Breasted Sandpiper. *Tryngites Rufescens*. < *The Chicago Field*, July 12, 1879, p. 348.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 29.—The Great Marbled Godwit. *Limosa Fedoa*. < *The Chicago Field*, July 19, 1879.
From "Birds of the Northwest."
1879. DEANE, R. Additional Captures of the Curlew Sandpiper [*Tringa subarquata*] in New England. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 124.
Adding two to the three previously recorded.
1879. DWIGHT, J., JR. The Stilt Sandpiper (*Micropalama himantopus*) on the New Jersey Coast. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 63.
1879. EDITORIAL. [F. SATTERTHWAITE.] A Plea for Woodcock [*Philohela minor*]. < *Forest and Stream*, xiii, Aug. 14, 1879, p. 550.
Against the shooting of this species during the summer months.
1879. ELLZEY, M. G., and SQUIRE, G. R. Do Woodcock [*Philohela minor*] Breed Twice a Year? < *Forest and Stream*, xii, July 10, 1879, p. 444.
Letters confirming the position taken by Geo. Bird Grinnell, that Woodcock do usually, in the Middle States, rear two broods each season.
1879. [GRINNELL, G. B.] Woodcock [*Philohela minor*] Breed Twice. < *Forest and Stream*, xii, May 1, 1879, p. 250.
Defence of statement that Woodcock usually rear two broods in a season, with some of the observations on which this assertion is based.
1879. [HARTING, J. E.] On some little-known Habits of the Woodcock [*Scolopax rusticola*]. < *Zoologist*, 3d ser., iii, Nov., 1879, pp. 433-440, pl. iii.
With special reference to the transportation of the young by the parent. The plate figures the parent flying with the young in her feet, away from the body, as a hawk would carry its prey. The text bears this out, but other passages of the same article speak of the young being pressed to the parent's body, clasped between her legs. See 1874, "A. W."
1879. J. C. H. Breeding of Woodcock [*Philohela minor*]. < *Forest and Stream*, xii, May 22, 1879, p. 307.
Notice of the killing, on the wing, of four young woodcock, Mar. 31, 1878, at Fayetteville, N. C. (By typographical error, as noticed in the next issue of *Forest and Stream*, the note above given was dated Fayetteville, N. Y.)
1879. "PORTSA." Are Woodcock [*Philohela minor*] Nocturnal? < *Forest and Stream*, xi, Jan. 23, 1879, p. 502.
1879. SAMUELS, E. A. Wilson's Snipe. *Gallinago Wilsonii*—(Bonaparte.) < *Town and Country* (monthly newspaper of Boston, Mass.), i, No. 4, Apr., 1879, cut.
An extended notice of the habits of this species, with sporting anecdote. Being No. 3 of a series of papers entitled "Our Game Birds."
1879. SAMUELS, E. A. The Woodcock. *Philohela minor*. < *Town and Country* (monthly newspaper of Boston, Mass.), i, No. 5, May, 1879, cut.
Popular biographical sketch.
1879. S[TERLING], J. W. The Second Brood of Woodcock [*Philohela minor*]. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
1879. YOUNG, C. H. More White Woodcock [*Philohela minor*]. < *Forest and Stream*, Apr. 10, 1879, p. 185.

Note.

In *Ibis*, Oct., 1879, p. 453, in an article not citable under *Scolopacidae*, as it refers to various other birds, H. T. Wharton has shown that the proper specific name of the European Woodcock is *rusticola*, not *rusticola*, though the latter is almost invariably used. Though aware of this before these pages were printed, I preferred to use the latter in my brackets, as being that which the authors themselves of the various papers did or would employ.

Recurvirostridæ.

1835. DU BUS DE GHISIGNIES, V. B. Description d'un nouveau genre d'Oiseaux de l'ordre des Échassiers [*Leptorhynchus pectoralis*, sp. n.]. < *Bull. Acad. Brux.*, ii, 1835, pp. 419, 420, pl.

Pas vue moi-même: le titre tiré de Carus et Englemann.

1835. DU BUS DE GHISIGNIES, V. B. Description d'un nouveau genre d'Oiseaux de l'ordre des Échassiers [*Leptorhynchus pectoralis*]. < *L'Institut*, iii, No. 103, 1835, p. 138.

Pas vue moi-même: le titre tiré de Carus et Englemann.

1835. DUBUS [DE GHISIGNIES, V. B.] Leptorhynque. *Leptorhynchus*. Dubus. Nouveau genre d'Oiseaux de l'ordre des Échassiers. < *Guér. Mag. de Zool.*, 5^e année, 1835, classe ii, notice xlv, pl. xlv.

Leptorhynchus pectoralis, nuper g. sp. n., pl. 45.—Mémoire présenté à l'Acad. Roy. de Bruxelles, séance du 17 janv. 1835.

1835. DUMORTIER, —. [Rapport sur le mémoire intitulé: Description d'un nouveau genre d'Oiseaux de l'ordre des Échassiers (*Leptorhynchus pectoralis*).] < *L'Institut*, ii, 1835, pp. 72-74.

Pas vue moi-même.

1841. GOULD, J. [Description of a New Species of *Himantopus* (Novæ Zelandiæ) from New Zealand.] < *P. Z. S.*, ix, 1841, p. 8.

1843. FISHER, W. R. Note on the occurrence of the Avocet [*Recurvirostra avocetta*] near Yarmouth. < *Zoologist*, i, 1843, p. 148.

1844. DU BUS [DE GHISIGNIES, V. B.] Neuer Sumpfvogel, *Leptorhynchus pectoralis* aus Neuholland. < *Oken's Isis*, Bd. xxxvii, 1844, pp. 330, 331.

Aus d. *Bull. Acad. Roy. Bruxel.*, Bd. ii, 1835, q. v.

1844. MANSELL, T. Note on the occurrence of the Stilt Plover [*Himantopus leucocephalus*?] in New South Wales. < *Zoologist*, ii, 1844, p. 454.

1845. ROSS, F. W. L. Beak and Legs of the Avocet [*Recurvirostra avocetta*]. < *Zoologist*, iii, 1845, p. 1191.

1847. RODD, E. H. Occurrence of the Avocet [*Recurvirostra avocetta*] at the Land's End. < *Zoologist*, v, 1847, p. 1910.

1849. BENSON, H. Occurrence of the Avocet [*Recurvirostra avocetta*] near Ramsgate. < *Zoologist*, vii, 1849, p. 2455.

1849. DUFF, J. Occurrence of the Avocet (*Recurvirostra avocetta*) at the Tees Mouth. < *Zoologist*, vii, 1849, p. 2591.

1849. ELLMAN, J. B. Occurrence of the Avocet [*Recurvirostra avocetta*] in Romney Marsh. < *Zoologist*, vii, 1849, p. 2455.

1849. ELLMAN, J. B. Occurrence of the Avocet (*Avocetta recurvirostra*) in Romney Marsh. < *Zoologist*, vii, 1849, pp. 2528, 2529.

1849. GURNEY, J. H. Occurrence of the Avocet (*Avocetta recurvirostra*) near Lynn. < *Zoologist*, vii, 1849, p. 2455.

1851. HARPER, J. O. Occurrence of the Avocet (*Recurvirostra Avocetta*) at Sandwich, in Kent. < *Zoologist*, ix, 1851, p. 2989.

1851. HARPER, J. O. Occurrence of the Avocet (*Recurvirostra Avocetta*) at Yarmouth. < *Zoologist*, ix, 1851, p. 3208.

1851. SELYS-LONGCHAMPS, E. DE. Note sur la famille des *Recurvirostridées*. < *Bull. de l'Acad. Roy. de Bruxelles*, xviii, i, 1851, pp. 5-15.

Pas vue moi-même: le titre tiré de la Bibl. de Carus et Englemann.

1851. SELYS-LONGCHAMPS, E. DE. Note sur la famille des Recurvirostridées. < *L'Institut*, xix, No. 913, 1851, p. 211.
Pas vue moi-même.
1852. IRBY, L. H. Occurrence of the Avocet [*Recurvirostra avocetta*] at Yarmouth. < *Zoologist*, x, 1852, p. 3504.
1856. FOOTIT, W. F. Occurrence of the Avocet [*Recurvirostra avocetta*] near Newark. < *Zoologist*, xiv, 1856, pp. 5251, 5252.
1856. NEWMAN, E. Occurrence of the Stilt Plover (*Himantopus melanopterus*) at Bosham, in Sussex. < *Zoologist*, xiv, 1856, p. 4946.
1856. WOLLEY, G. Occurrence of the Avocet [*Recurvirostra avocetta*] in Nottinghamshire. < *Zoologist*, xiv, 1856, p. 5280.
1857. MATTHEWS, H. Occurrence of the Avocet (*Recurvirostra avocetta*) near Newark. < *Zoologist*, xv, 1857, pp. 5364, 5365.
1858. GARDNER, J. Occurrence of the Avocet (*Recurvirostra avocetta*) in Kent. < *Zoologist*, xvi, 1858, p. 5921.
1859. JÄGER, G. Herr Professor Dr. G. Jäger bespricht die Lebensweise eines Exemplares von *Recurvirostra avocetta*. < *Verh. d. k.-k. zool.-bot. Ges. Wien*, ix, 1859, pp. 98-101.
1859. KNOX, A. E. On the Habits of the Black-winged Stilt [*Himantopus melanopterus*], as observed on its occurrence in Sussex. < *Ibis*, i, 1859, pp. 395-397.
1860. KNOX, A. E. On the Habits of the Black-winged Stilt [*Himantopus melanopterus*], as observed on its occurrence in Sussex. < *Zoologist*, xviii, 1860, pp. 6979, 6980.
From *Ibis*, i, 1859, pp. 395-397.
1864. JEFFREY, W., JR. Avocet [*Recurvirostra avocetta*] near Chichester. < *Zoologist*, xxii, 1864, p. 9211.
1867. HACKETTS, W. A. Avocet [*Recurvirostra avocetta*] in the County Cork. < *Zoologist*, 2d ser., ii, 1867, p. 635.
From the 'Field,' Jan. 12.
1867. RAMSEY, E. P. Note on the Eggs of the Australian Stilt-Plover (*Himantopus leucocephalus*). < *P. Z. S.*, xxxv, 1867, p. 600.
1867. THOMPSON, W. Occurrence of the Avocet [*Recurvirostra avocetta*] near Weymouth. < *Zoologist*, 2d ser., ii, 1867, p. 759.
1868. TRISTRAM, H. B. [Questions distinctness of *Recurvirostra sinensis* from *R. avocetta*.] < *Ibis*, 2d ser., iv, 1868, p. 133.
1869. HART, W., and SON. Avocet [*Recurvirostra avocetta*] at Portsmouth [England]. < *Zoologist*, 2d ser., iv, 1869, p. 1562.
1870. FEILDEN, H. W. [Additional (*Ibis*, 1870, 145) information on the breeding of *Himantopus candidus*.] < *Ibis*, 2d ser., vi, 1870, p. 295.
1870. HUME, A. [O.] [On the breeding, nest, and eggs of the Indian Black-winged Stilt, *Himantopus candidus*.] < *Ibis*, 2d ser., vi, 1870, pp. 145-147.
1871. GATCOMBE, J. Avocet [*Recurvirostra avocetta*] in Cornwall. < *Zoologist*, 2d ser., vi, 1871, p. 2810.
1874. HARTING, J. E. On rare or little-known Limicolæ. [Part VI.] < *Ibis*, 3d ser., iv, 1874, pp. 241-261, pl. ix.
Treats very fully of the species of *Recurvirostra*. The pl. represents *R. andina*.
1875. BULLER, W. L. On the Genus *Himantopus* in New Zealand. < *Trans. and Proc. New Zealand Inst. for 1874*, vii, 1875, pp. 220-224.
Treats of *H. leucocephalus*, *novæ-zeelandiæ*, and *albicollis*, the latter sp. n., p. 224.
1875. GURNEY, J. H., JR. Plumage of the Stilt [*Himantopus candidus*]. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4697.
1876. WARREN, R. Avocet [*Recurvirostra avocetta*] in Ireland. < *Zoologist*, 2d ser., xi, Jan., 1876, pp. 4764, 4765.

Phalaropodidæ.

1758. EDWARDS, G. An Account of a new-discovered Species of the Snipe or Tringa [i. e., *Phalaropus fulicarius*]. < *Philos. Trans. for 1757*, i, pt. i, 1758, pp. 255-257, pl. vi.
 "Grey Coot-footed Tringa" = *Phalaropus fulicarius* of later authors. The plate also illustrates the bill of the Red-necked Phalarope, *Lobipes hyperboreus* of systematists.
1807. SIMMONDS, T. W. Observations respecting a Species of Phalarope, and some other rare British Birds. < *Trans. Linn. Soc.*, viii, 1807, pp. 264-269.
Phalaropus williamsii, p. 264, sp. n. [It is *Lobipes hyperboreus*.]
1832. ALLIS, T. Grey Phalarope [*Phalaropus fulicarius*, near York, England]. < *London's Mag. Nat. Hist.*, v, 1832, p. 589.
1832. COUCH, J. The Grey Phalarope [*Phalaropus fulicarius*, in Great Britain]. *London's Mag. Nat. Hist.*, v, 1832, pp. 729, 730.
1832. JORDAN, W. R. Notes on the Gray Phalarope (*Tringa lobata*, Lin. [*Phalaropus fulicarius*]). < *London's Mag. Nat. Hist.*, v, 1832, p. 232.
1833. SCOULER, J. Grey Phalarope [*Phalaropus fulicarius*, in Scotland]. < *London's Mag. Nat. Hist.*, vi, 1833, p. 515.
1846. COOPER, J. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] near Preston. < *Zoologist*, iv, 1846, p. 1552.
1846. GURNEY, J. H. Occurrence of the Red-necked Phalarope [*Lobipes hyperboreus*] in Norfolk. < *Zoologist*, iv, 1846, p. 1552.
1846. MURCH, E. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] near Honiton. < *Zoologist*, iv, 1846, p. 1552.
1846. RODD, E. H. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] near Penzance. < *Zoologist*, iv, 1846, p. 1552.
1847. BEADLES, J. N. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] at Mitcheldean. < *Zoologist*, v, 1847, p. 1697.
1847. GOATLEY, T. Occurrence of the Gray Phalarope (*P. lobatus* [*Phalaropus fulicarius*]), near Chipping Norton. < *Zoologist*, v, 1847, p. 1640.
1847. HUNTER, C. B. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] at Wretham. < *Zoologist*, v, 1847, p. 1640.
1850. LEWINS, R. Occurrence of the Grey Phalarope (*Phalaropus lobatus* [*fulicarius*]) in Northumberland. < *Zoologist*, viii, 1850, p. 2853.
1851. ELLMAN, J. B. Occurrence of the Red-necked Phalarope (*Phalaropus* [*Lobipes*] *hyperboreus*) at Lewes. < *Zoologist*, ix, 1851, p. 3035.
1852. GURNEY, S., JR. Occurrence of the Gray Phalarope (*Phalaropus platyrhynchus* [*fulicarius*]) at Carshalton. < *Zoologist*, x, 1852, p. 3331.
1853. HUSSEY, A. Occurrence of the Red-necked Phalarope [*Lobipes hyperboreus*] at Rottingdean. < *Zoologist*, xi, 1853, pp. 4096, 4097.
1854. GLOGER, C. W. L. Das eigenthümliche Brüt-Verhältniss der Wassertreter (*Phalaropus*) und seine Analogie. < *J. f. O.*, ii, 1854, pp. 89-91.
1854. RODD, E. H. Occurrence of the Red-necked Phalarope [*Lobipes hyperboreus*] near Penzance. < *Zoologist*, xii, 1854, p. 4526.
1854. MILNER, W. M. E. Red-necked Phalarope [*Lobipes hyperboreus*] killed near York. < *Zoologist*, xii, 1854, p. 4441.

1860. DUNN, J. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] in Orkney. < *Zoologist*, xviii, 1860, p. 6812.
1860. RODD, E. H. Occurrence of the Red Phalarope [*Phalaropus fulicarius*] at Scilly. < *Zoologist*, xviii, 1860, p. 7236.
1860. WILLIAMS, D. Occurrence of the Gray Phalarope (*Phalaropus platyrhynchus* [*fulicarius*]) at Swansea. < *Zoologist*, xviii, 1860, p. 6891.
1862. ROGERS, H. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] in the Isle of Wight. < *Zoologist*, xx, 1862, p. 8283.
1863. DUTTON, J. The Gray Phalarope [*Phalaropus fulicarius*] at Brighton. < *Zoologist*, xxi, 1863, p. 8331.
1863. JEFFERY, W., JR. The Rednecked Phalarope [*Lobipes hyperboreus*] near Chichester. < *Zoologist*, xxi, 1863, p. 8828.
1863. KERR, J. Gray Phalarope [*Phalaropus fulicarius*] near Greenock. < *Zoologist*, xxi, 1863, p. 8828.
1863. STEVENSON, H. The Gray Phalarope (*Phalaropus platyrhynchus* [*fulicarius*]) in Norfolk. < *Zoologist*, xxi, 1863, p. 8331.
1864. OSBORNE, H., JR. Gray Phalarope [*Phalaropus fulicarius*] in Caithness. < *Zoologist*, xxii, 1864, p. 8890.
1866. BLAKE-KNOX, H. Gray Phalarope [*Phalaropus fulicarius*] in Dublin Bay. < *Zoologist*, 2d ser., i, 1866, pp. 500, 501.
1866. DUTTON, J. Gray Phalarope [*Phalaropus fulicarius*] at Eastbourne. < *Zoologist*, 2d ser., i, 1866, p. 499.
1866. DUTTON, J. Gray Phalarope [*Phalaropus fulicarius*] at Eastbourne, &c. < *Zoologist*, 2d ser., i, 1866, p. 525.
1866. HESSE, B. Gray Phalarope [*Phalaropus fulicarius*] in Hackney Marshes. < *Zoologist*, 2d ser., i, 1866, p. 499.
1866. KIRBY, H. T. M. Gray Phalarope [*Phalaropus fulicarius*] at Mayfield. < *Zoologist*, 2d ser., i, 1866, p. 499.
1866. MATHEW, M. A. Gray Phalarope [*Phalaropus fulicarius*] at Weston-super-Mare and at Budleigh Salterton. < *Zoologist*, 2d ser., i, 1866, pp. 499, 500.
1866. RODD, E. H. Red Lobefoot [Rednecked Phalarope] [*Lobipes hyperboreus*] at Scilly. < *Zoologist*, 2d ser., i, 1866, p. 501.
Brackets in original title around the words "Rednecked Phalarope".
1867. GUNN, T. E. The Gray Phalarope [*Phalaropus fulicarius*] in Norfolk. < *Zoologist*, 2d ser., ii, 1867, p. 1016.
1867. GURNEY, J. H., JR. A Summary of the Occurrences [about 250 specimens] of the Grey Phalarope [*Phalaropus fulicarius*] in Great Britain during the Autumn [Aug. 20–Oct. 8] of 1866. By J. H. Gurney, jun. London: 1867. 8vo. pamph. pp. 24, map.
Not seen.—Cf. *Zoologist*, s. s., pp. 917–919; *Ibis*, 1868, p. 101.
1867. HAWKER, T. A. Gray Phalarope [*Phalaropus fulicarius*] at Shoreham. < *Zoologist*, 2d ser., ii, 1867, pp. 561, 562.
1867. MATHEW, M. A. Gray Phalarope [*Phalaropus fulicarius*] at Barnstaple. < *Zoologist*, 2d ser., ii, 1867, p. 562.
1868. GUNN, T. E. Rednecked Phalarope [*Lobipes hyperboreus*] in Norfolk. < *Zoologist*, 2d ser., iii, 1868, p. 1482.
1869. GATCOMBE, J. Rednecked Phalarope [*Lobipes hyperboreus*] in the Neighbourhood of Plymouth. < *Zoologist*, 2d ser., iv, 1869, p. 1920.
1869. PRESTON, T. A. Rednecked Phalarope [*Lobipes hyperboreus*] at Marlborough. < *Zoologist*, 2d ser., iv, 1869, p. 1951.

1869. WONFOR, T. W. Gray Phalarope [*Phalaropus fulicarius*] in Sussex. < *Zoologist*, 2d ser., iv, 1869, p. 1920.
1870. BLAKE-KNOX, H. Gray Phalaropes [*Phalaropus fulicarius*] in County Dublin. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. BROWNE, A. M. Gray Phalarope [*Phalaropus fulicarius*] in Wales. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. GOATLEY, T. H. Gray Phalarope [*Phalaropus fulicarius*] near Southampton. < *Zoologist*, 2d ser., v, 1870, p. 2385.
1870. HARTING, J. E. On the Immigration of the Gray Phalarope (*Phalaropus fulicarius*) and the Recent Occurrence of this Species in Sussex. < *Zoologist*, 2d ser., v, 1870, pp. 1972-1975.
Extracted from 'The Field' of Nov. 13, 1869.
1870. MATHEW, M. A. Gray Phalaropes [*Phalaropus fulicarius*] in North Devon: Moulting of Birds. < *Zoologist*, 2d ser., v, 1870, pp. 2385, 2386.
1870. MATHEW, M. A. Abundance of the Gray Phalarope [*Phalaropus fulicarius*]. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. SMITH, CECIL. Gray Phalaropes [*Phalaropus fulicarius*] in Somerset. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. SMITH, CECIL. Gray Phalarope [*Phalaropus fulicarius*] at Bishops Lydeard. < *Zoologist*, 2d ser., v, 1870, p. 2385.
1871. BALKWILL, F. H. Phalaropes [*Phalaropus* —] in Plymouth Sound. < *Zoologist*, 2d ser., vi, 1871, pp. 2442, 2443.
1871. BRYDGES, H. J. J. Gray Phalarope [*Phalaropus fulicarius*] at Boulthbrook. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. SMITH, CECIL. Bird-batting. < *Zoologist*, 2d ser., vi, 1871, p. 2438.
Capture of *Phalaropus fulicarius*.
1871. SMITH, CECIL. Gray Phalarope [*Phalaropus fulicarius*] near Taunton. < *Zoologist*, 2d ser., vi, 1871, p. 2442.
1871. STUBBS, C. E. Gray Phalarope [*Phalaropus fulicarius*] near Henley-on-Thames. < *Zoologist*, 2d ser., vi, 1871, p. 2442.
1873. BOYES, F. Rednecked Phalarope [*Lobipes hyperboreus*] in East Yorkshire. < *Zoologist*, 2d ser., viii, 1873, p. 3371.
1873. CORBIN, G. B. Gray Phalarope [*Phalaropus fulicarius*, on the Hampshire coast] and Pike. < *Zoologist*, 2d ser., viii, 1873, p. 3492.
1873. MATHEW, M. A. Gray Phalarope [*Phalaropus fulicarius*] in Winter Plumage. < *Zoologist*, 2d ser., viii, 1873, p. 3454.
1874. NORGATE, F. Rednecked Phalarope [*Lobipes hyperboreus*] at Salthouse, Norfolk. < *Zoologist*, 2d ser., ix, 1874, p. 4159.
1874. CLARK-KENNEDY, A. J. Gray Phalarope [*Phalaropus fulicarius*] in Cheshire. < *Zoologist*, 2d ser., ix, 1874, p. 4239.
1874. CLOGG, S. Gray Phalarope [*Phalaropus fulicarius*] in Cornwall. < *Zoologist*, 2d ser., ix, 1874, p. 4239.
1875. WHITAKER, J. Gray Phalarope [*Phalaropus fulicarius*] in Nottinghamshire. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4342.
1876. A[LLEN], J. A. Field and Forest. < *Bull. Nutt. Ornith. Club*, i, No. 3, Sept., 1876, p. 71.
Notice of this periodical, Vol. II, No. 1, the only ornithological article it contains being on *Steganopus wilsoni*. See 1876, KUMLEIN, A. L.
1876. GATCOMBE, J. Early Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] in Devon. < *Zoologist*, 2d ser., xi, Sept., 1876, pp. 5083, 5084.

1876. KUMLEIN, A. L. On the Habits of *Steganopus wilsoni*. < *Field and Forest*, ii, No. 1, July, 1876, pp. 11, 12.
1876. NICHOLLS, R. P. Gray Phalarope [*Phalaropus fulicarius*] near Kingsbridge. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4802.
1877. NELSON, E. W. A Contribution to the Biography of Wilson's Phalarope [*Steganopus wilsoni*]. < *Bull. Nutt. Ornith. Club*, ii, No. 2, Apr., 1877, pp. 38-43.
Very full on its habits, especially on its breeding.
1878. COUES, E. The Northern Phalarope [*Lobipes hyperboreus*] in North Carolina. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 40, 41.
1878. MURDOCH, J. Phalarope,—An Etymological Blunder. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 150, 151.

Contents that the word should be written *Phalaridopus*, being from *φαλαρίς*, gen. -ίδος, "a coot", and *πούς*, "foot", not the adj. *φαλαρός*, "white", as "Phalaropus" would seem to indicate. "Nevertheless," as the writer, who has well taken his point, continues, "the name has served so long as a distinguishing mark of the genus, that it would be by no means advisable to attempt to make an exchange for the etymologically correct form"; especially as the form "Phalaropus" represents no very great degree of contraction. Moreover, as the writer does not state, *φαλαρίς*, a coot, and *φαλαρός*, bright, white, shining, or otherwise conspicuous, are etymologically the same, the former substantive being derived from the latter adjective and having been applied to the bird because of its conspicuously colored bill; there being this additional reason for not insisting upon the change. Brisson certainly invented "Phalaropus" to mean "coot-footed," but the *φάλαρα* of the Greeks were any ornaments with which a thing might be furnished, as the gems of a tiara, the studs of a helmet, the caparisons of a horse, etc.; and "Phalaropus" is therefore not so far out of the way after all, for a bird whose feet are remarkably "ornamented" or appendaged.

1878. WILLISTON, S. W. On the adult male plumage of Wilson's Phalarope. (*Steganopus Wilsoni* Sab.) < *Trans. Kansas Acad. Science for 1877-8*, vi, 1878, p. 39.
"What has hitherto been considered the young plumage of this bird, has been confounded with [that of] the adult male." Description follows, with other remarks.

Heliornithidæ.

1840. BRANDT, J. F. Einige Bemerkungen über Podoa und ihr Verhältniss zu Fulica, Podiceps und den Steganopoden. < *Mém. de l'Acad. St.-Pétersb.*, vi sér., v tome, ii pte., *Sc. Nat.*, iii, 1840, pp. 197-202, pll. xi, xii.
A subtitle, being the third part of his series entitled: Beiträge zur Kenntniss der Naturg. Vögel u. s. w.—*Podoa* is associated with *Fulica*, in the order *Natatores*.
1848. GRAY, G. R. Description of a new species of Podica [*P. personata*]. < *P. Z. S.*, xvi, 1848, p. 90.
1849. GRAY, G. R. Description of a new species of Podica [*P. personata*]. < *Ann. Mag. Nat. Hist.*, 2d ser., iii, 1849, pp. 311, 312.
From *P. Z. S.*, June 13, 1848, p. 90.
1861. GIEBEL, C. G. Ueber Podoa surinamensis. < *Zeitsch. f. d. gesamt. Naturwiss.*, xviii, 1861, pp. 424—.
Nicht mir selbst zugänglich.—Enthaltend anatomisches.
1867. SCHLEGEL, H. Urinatores < *Mus. Hist. Nat. Pays-Bas*, 9^e livr., avril 1867, pp. 1-52.
This group, as made up by the author, consists of the five families *Spheniscidæ*, *Alcidæ*, *Colymbidæ*, *Podicipidæ*, and *Heliornithidæ*, of three of which only a single genus is admitted. *Spheniscus*, 12 species.
In the *Alcidæ*, with 3 genera, are treated of *Alca*, 9 spp.; *Simorhynchus*, 6 spp.; *Lunda*, 3 spp. *Colymbus*, with 3 spp. *Podiceps*, with 12 spp. *Heliornis*, with 3 spp.

Parridæ.

1832. GEOFFROY ST.-HILAIRE, ISID. Jacana, Parra. Lin. < *Guér. Mag. de Zool.*, 2^e année, 1832, classe ii, notice vi, pl. vi.

Parra albinuca [sic], pl. vi, sp. n.; Madagascar. [*Metopodius*.]

1856. SCLATER, P. L. On the species of the American genus Parra. < *P. Z. S.*, xxiv, 1856, pp. 282, 283.

The American birds of the genus *Parra*, with their Old World representatives of the genera *Metopodius*, *Hydrolektor*, and *Hydrophasianus*, are considered to constitute a natural group related to the *Rallidæ*, but remarkable for the extreme elongation of the toes. The article is a synopsis of five spp., with synonymy, diagnosis, and habitat: 1, *P. jacana*, L. 2, *P. intermedia*, Bp., sp. n., p. 282, Venezuela. 3, *P. melanopygia*, sp. n., p. 283, New Grenada. 4, *P. hypomelena*, Gr. & Mitch. 5, *P. gymnostoma*, Wagl.

1857. SCLATER, P. L. On the Species of the American genus Parra. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 410, 411.

From *P. Z. S.*, July 8, 1856, pp. 282, 283, q. v.

1864. GOULD, J. Description of the Egg of Parra gallinacea [*Hydrolektor cristata*]. < *P. Z. S.*, Dec. 13, 1864, p. 661.

1865. GOULD, J. Description of the Egg of Parra gallinacea [*Hydrolektor cristata*]. < *Ann. Mag. Nat. Hist.*, 3d ser., xvi, 1865, p. 70.

From *P. Z. S.*, Dec. 13, 1864, p. 661.

Rallidæ.

[Including *Gallinula*, *Fulica*, *Aramus*, *Notornis*, *Aphanapteryz*, etc.]

1717. LIMPRECT, J. A. De *Fulica recentiorum minore Gesneri*. < *Ephem. Acad. Nat. Cur.*, Cent. 5 et 6, 1717, pp. 212-217.
Hand mihi cognitus: titulus e Caro et Engelm.
1721. HOFFMANN, M. De *Fulica dissecta*. < *Ephem. Acad. Nat. Cur.*, Cent. 9 et 10, 1721, App., pp. 469, 470.
Non mihi obviis: titulus e Caro et Engelm.
1734. PERRAULT, C. Description anatomique d'une Poule Sultane [Porphyrio]. < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusq. 1699, iii, pt. iii, 1734, pp. 50-57, pll. 11, 12.
- 1744-50. HASSELQUIST, F. *Fulica*. Linnaei Syst. Nat. p. 28. < *Acta Reg. Soc. Sci. Upsal.*, v, 1744-50, pp. 22, 23.
Haud mihi obvia.
1757. PERRAULT, C. Anatomische Beschreibung einer Sultanshenne [Porphyrio]. < *Abhandl. Königl. Französisch. Acad.*, ii, 1757, pp. 277-—.
Mir nicht zugänglich.—Teutsch. Übers. d. Mém. de l'Acad. Paris, iii, pt. iii, 1734, p. 50.
1813. LJUNGH, S. I. En ny Fogel, Rallus Paykullii, beskrifven. < *Kongl. Vetensk. Acad. Handl.*, 1813, pp. 258-260, pl. v.
1817. BARTON, B. S. Some Account of the Tantalus Ephonskyea [sp. n.], a rare American Bird. < *Trans. Linn. Soc.*, xii, pt. i, 1817, pp. 24-27, pl. i.
 This is the "Crying-bird" of Bartram, *Trav. in Fla.*, ed. of 1791, p. 147, "*Tantalus pictus*," *ibid.*, p. 293 = *Aramus giganteus* Bp. = *A. pictus*, Coues, *Pr. Phila. Acad.*, 1875, p. 354.
1821. FLEMING, J. On the Water-Rail [*Rallus aquaticus*]. < *Mem. Wernerian Nat. Hist. Soc.*, iii, 1821, pp. 174-182. (Read Nov., 1819.)
 Notes a spine on the wing of *Rallus aquaticus*, and consequently associates the genus with *Parra* and *Palamedea*. Monographic account of the species, followed by a synoptical view of the British species of *Rallus*, *Ortygometra*, *Gallinula*, and *Fulica*.
1823. MORRISON, —. Hybernation of the Cornerake (*Rallus Crex* [*Crex pratensis*]). < *Edinb. Philos. Journ.*, viii, 1823, pp. 414, 415.
 Three individuals stated to have been found torpid in a heap of manure.
1829. "B." *Rallus aquaticus*. < *Loudon's Mag. Nat. Hist.*, ii, 1829, p. 302.
Complaint of the figure given, op. cit., i, p. 289.
1830. ANON. Spur on the wing of the *Rallus Crex* [*Crex pratensis*]. < *Edinb. New Philos. Journ.*, viii, 1830, p. 204.
 See above, 1821, FLEMING, J.
1831. BREHM, C. L. Die kleinen europäischen Rohrhühner [*Porzana* spp.]. < *Oken's Isis*, Bd. xxiv, 1831, pp. 705-710.
Gallinula minuta Br.; *G. minutissima*, Pethényi und Brehm. Vergleichung der *G. pusilla* und *G. minutissima*.
1832. "A. B." A white Water-Rail [*Rallus aquaticus*]. < *Loudon's Mag. Nat. Hist.*, v, 1832, p. 384.
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1863. MATTHEWS, M. A. Spotted Crake (*Crex porzana* [Porzana *maruetta*]) near Taunton. < *Zoologist*, xxi, 1863, p. 8446.

1863. SAVILLE, S. P. Occurrence of the Spotted Crane [*Porzana maruetta*] near Cambridge. < *Zoologist*, xxi, 1863, p. 8330.
1863. SAXBY, H. L. Moorhen (*Gallinula chloropus*) in Shetland. < *Zoologist*, xxi, 1863, p. 8494.
1864. ARMISTEAD, J. J. Spotted Crane [*Porzana maruetta*] in Hampshire. < *Zoologist*, xxii, 1864, p. 8890.
1864. BLAKE-KNOX, H. Spotted Crane [*Porzana maruetta*] in County Antrim and Storm Petrel in Dublin Bay. < *Zoologist*, xxii, 1864, p. 8890.
1864. BOULTON, W. W. Spotted Crane [*Porzana maruetta*] near Beverley. < *Zoologist*, xxii, 1864, p. 8890.
1864. BOULTON, W. W. Spotted Rail [*Porzana maruetta*] near Beverley. < *Zoologist*, xxii, 1864, p. 8961.
1864. BOULTON, W. W. Sternum of Little Crane [*Porzana minuta*] shot in Cambridgeshire. < *Zoologist*, xxii, 1864, pp. 9285-9289.
1864. GUNN, T. E. Spotted Crane [*Porzana maruetta*] in Norfolk. < *Zoologist*, xxii, 1864, p. 9118.
1864. MORTIMER, T. Abundance of the Corn Crane [*Crex pratensis*]. < *Zoologist*, xxii, 1864, pp. 8889, 8890.
1864. SCHMIDT, MAX. [Section einer Sultanshühn (Porphyrio).] < *Zool. Gart.*, v, 1864, p. 224.
1864. NEWMAN, E. The Purple Gallinule [*Porphyrio hyacinthinus*] in Scotland. < *Zoologist*, xxii, 1864, p. 8961.
1864. NOLL, C. F. Zur Nahrung der *Fulica atra* (L.). < *J. f. O.*, xii, 1864, pp. 393, 394. Aus d. *Zeitsch. d. zool. Gart. zu Frankf.*, v, S. 27.
1864. NOLL, C. F. Das Wasserhuhn [*Fulica atra*] auf dem Main. < *Zool. Gart.*, v, 1864, p. 27.
1864. SAVILLE, S. P. Little Crane [*Porzana minuta*] in Cambridgeshire. < *Zoologist*, xxii, 1864, pp. 9118, 9119.
1865. ARMISTEAD, J. J. Moorhen [*Gallinula chloropus*] perching in Trees. < *Zoologist*, xxiii, 1865, p. 9540.
1865. EYRE, H. S. Carolina Crane [*Porzana carolina*] near Newbury. < *Zoologist*, xxiii, 1865, p. 9540.
1865. HARVIE-BROWN, J. A. Water Rail [*Rallus aquatius*] in Stirlingshire. < *Zoologist*, xxiii, 1865, p. 9468.
1865. KUTTER, —. Ein Beitrag zur Fortpflanzungsgeschichte von *Gallinula pusilla* [*Porzana minuta*]. < *J. f. O.*, xiii, 1865, pp. 334-341.
1865. [NEWTON, A.] [On the identity of *Corethrura guatemalensis* Lawr. with *C. rubra*, P. Z. S., 1860, p. 300.] < *Ibis*, 2d ser., i, 1865, p. 238.
1865. NEWTON, A. [Exhibition of a specimen of *Porzana carolina* shot Oct., 1864, on the Kennett, near Newbury, England. < *P. Z. S.*, xxxiii, 1865, p. 196.
- 1865-66. SCHLEGEL, H. Ralli < *Mus. Hist. Nat. Pays-Bas*, 7^e livr., avril 1865, pp. 1-76; 8^e livr., 1866, pp. 77-80.

This memoir includes representatives of several families of other authors. *Gruide*, 12 spp. in the single genus *Grus*; *Aramus*, 1 spp.; *Rallus*, 11 spp.; *Aramides*, 5; *Rallina*, 10; *Hypotenidia*, 4; *Crex*, 6; *Himantornis*, 1; *Porzana*, 14; *Gallinula*, 14; *Porphyrio*, 8; *Fulica*, 5; *Parra*!, 8; *Palamedea*!, 3; *Ocydromus*, 2; *Eurypyga*!, 1.
1865. STARES, W. Purple Gallinule [*Porphyrio hyacinthinus*] in Hampshire. < *Zoologist*, xxiii, 1865, p. 9418.
1866. LEGGE, W. V. Moorhens [*Gallinula chloropus*] perching in Trees. < *Zoologist*, 2d ser., i, 1866, p. 145.
1866. OVEREND, J. Eggs of Baillon's Crane [*Porzana bailloni*] at Great Yarmouth. < *Zoologist*, 2d ser., i, 1866, p. 389.

1866. REEKS, H. Purple Waterhen [*Porphyrio hyacinthinus*] near Southampton. < *Zoologist*, 2d ser., i, 1866, p. 229.
1866. SHORTO, J. Moorhens [*Gallinula chloropus*] perching in Trees and feeding on Pears. < *Zoologist*, 2d ser., i, 1866, pp. 33, 34.
1867. FEILDEN, H. W. Spotted Crake [*Porzana marnetta*] on Longridge. < *Zoologist*, 2d ser., ii, 1867, p. 1017.
1867. HARRISON, J. W. D. Landrail in January [*Crex pratensis*, in Gloucestershire]. < *Zoologist*, 2d ser., ii, 1867, p. 636.
From the "Field," Jan. 19.
1867. HAWKER, F. A. Purple Gallinule [*Porphyrio hyacinthinus*] in Hampshire. < *Zoologist*, 2d ser., ii, 1867, p. 829.
1867. MACKAY, D. [Letter on Notornis, and other New Zealand Birds.] < *Ibis*, 2d ser., iii, 1867, pp. 144, 145.
1867. MILNE-EDWARDS, A. Mémoire sur une espèce éteinte du genre *Fulica* [*newtonii*], qui habitait autrefois l'Île Maurice. < *Ann. des Sci. Nat.*, 5^e sér., viii, 1867, pp. 195-220, pll. 10-13.
Pl. 10, *F. newtonii*; 11, *F. atra*; 12, *Porphyrio madagascarensis*; 13, *Ocydromus australis*. Cf. *Zool. Rec.*, iv, 1867, pp. 117, 118; *Ibis*, 1868, p. 482, note.
1867. SCLATER, P. L. Note on the Species of the Genus *Tribonyx*. < *Ann. Mag. Nat. Hist.*, 3d ser., xx, 1867, pp. 122, 123.
1867. SCLATER, P. L. [*Gallinula pumila* = *G. minor* = *G. angulata*.] < *Ibis*, 2d ser., iii, 1867, p. 254.
1868. BINNIE, F. G. Scarcity of the Corn Crake [*Crex pratensis*, in Tadcaster]. < *Zoologist*, 2d ser., iii, 1868, p. 1459.
1868. BLAKE-KNOX, H. Spotted Crake [*Porzana marnetta*] in the County Dublin. < *Zoologist*, 2d ser., iii, 1868, p. 1458.
1868. FRAUENFELD, G. V. Auffindung einer bisher unbekannten Abbildung des Dronte und eines zweiten kurzflügeligen wahrscheinlich von den Maskarenen stammenden Vogels. < *J. f. O.*, xvi, 1868, pp. 138-140.
Aphanapteryx imperialis, g. sp. n.
1868. FRAUENFELD, G. V. Herr Georg Ritter von Frauenfeld berichtete über die Auffindung einer bisher unbekannten Abbildung des Dronte und eines zweiten bisher unbeschriebenen flügellosen Vogels, wahrscheinlich von den Maskarenen. < *Verh. k.-k. zool.-bot. Ges. Wien*, xviii, 1868, p. 24.
Aphanapteryx imperialis.—The above is all there is of it.
1868. FRAUENFELD, G. V. Neu aufgefundenene Abbildung des Dronte und eines zweiten kurzflügeligen Vogels, wahrscheinlich des Poule rouge au bec de Bécasse der Maskarenen in der Privatbibliothek S. M. des verstorbenen Kaisers Franz. Erläutert von George Ritter von Frauenfeld. Mit 4 Tafeln. Wien: 1868. imp. fol. pp. 17.
Cf. especially *Ibis*, 1868, pp. 480-482; F. C. Noll, *Zool. Gart.*, 1868, p. 282; A. Milne-Edwards, *Ann. Sci. Nat. Zool.*, 5^e sér., x, pp. 325-346; *Ibis*, 1869, pp. 256-275; A. Newton, *Zool. Rec.*, v, p. 103. Contains full list of Dodo literature since Strickland's account. Not seen by me.—Cf. the original paper on *Aphanapteryx*, *J. f. O.*, 1868, pp. 138-140.
1868. MILNE-EDWARDS, A. Mémoire sur une espèce éteinte du genre *Fulica* [*newtonii*], qui habitait autrefois l'Île Maurice. < *Compt. Rend. de l'Acad. Sci.*, lxxvi, 30 mars 1868, pp. 646-650.
Tiré des *Ann. Sci. Nat.*, 5^e sér., viii, 1867, pp. 195-220, pll. 10-13, q. v.
1868. MILNE-EDWARDS, A. Mémoire sur une espèce éteinte du genre *Fulica* [*newtoni*], . . . < *Revue Zoologique*, 1868, pp. 147-152.
Pas vu moi-même.—Abrégé du mémoire inséré dans les *Comptes Rendus*, 1868, pp. 646, 650.
1868. SCLATER, P. L., and SALVIN, O. Synopsis of the American Rails (Rallidae). < *P. Z. S.*, xxxvi, June 25, 1868, pp. 442-470, pl. xxxv, woodc. figg. 1-11.
A very complete memoir, treating of 48 spp. of 10 genera of 3 subfamilies, with synonymy, diagnosis, geographical distribution, and criticism. To *Rallinae* are assigned *Rallus* with 8

1868. SCLATER, P. L., and SALVIN, O.—Continued.

spp., *Aramides* with 7, *Porzana* with 18 (under the 7 subgenera *Porzana*, *Rufirallus*, *Laterirallus*, *Crybastus*, *Oreiscus*, *Coturnicops*, and *Neocrex* (subg. n., p. 450)), *Crex* and *Thyrorrhina* (g. n., p. 458) with 1 each. The *Fulicinae* embrace 4 genera, *Porphyrio* and *Porphyriops* with 2 spp. each, *Gallinula* with 1, and *Fulica* with 7. *Heliornithine* are also included, with 1 sp.—*Porzana leuraudi*, p. 452, pl. xxxv; *P. castaneiceps*, p. 453; *P. huxwelli*, p. 453, spp. nn. (p. 105, pl. 53 of *Exot. Ornith.* quoted for the last named). The heads of several species (*Thyrorrhina*, the *Gallinules*, and the *Coots*) are figured on the woodcuts.

1869. ANON. Cream-coloured Moor Hen [*Gallinula chloropus*]. < *Zoologist*, 2d ser., iv, 1869, p. 1601.

1869. BENNETT, G. [Letter on Birds of Lord Howe's Island.] < *P. Z. S.*, Nov. 11, 1869, pp. 471, 472, pl. xxxv.

Among those mentioned, one (*Ocydromus sylvestris*, Scl., p. 472, pl. xxxv) is new.

1869. FRAUENFELD, G. V. Ueber den Artnamen von *Aphanapteryx*. < *Verh. (Abh.) d. k.-k. zool.-bot. Gesellsch. Wien*, 1869, pp. 761-764.

Not seen—title from *Zool. Rec.*

The author objects to the substitution of the name *A. broeckii* for *A. imperialis*.

1869. GUNN, T. E. Piebald Waterhen [*Gallinula chloropus*]. < *Zoologist*, 2d ser., iv, 1869, p. 1848.

1869. GUNN, T. E. Abundance of Landrails [*Crex pratensis*]. < *Zoologist*, 2d ser., iv, 1869, p. 1920.

1869. GURNEY, J. H. [On a mode of capturing *Ocydromus australis*.] < *Ibis*, 2d ser., v, 1869, p. 463.

By displaying a red cloth, which would attract the bird so that it might be taken by hand—an account singularly coincident with that given by Hoffmann in the case of the *Aphanapteryx*, which Milne-Edwards determined to be near *Ocydromus*.

1869. HADFIELD, H. Nest and Eggs of the Corn Crake [*Crex pratensis*]. < *Zoologist*, 2d ser., iv, 1869, pp. 1920, 1921.

1869. HAMMOND, W. O. Extraordinary Flight of Landrails [*Crex pratensis*]. < *Zoologist*, 2d ser., iv, 1869, p. 1951.

1869. MILNE-EDWARDS, A. Observations sur les affinités zoologiques de l'*Aphanapteryx* espèce éteinte qui vivait encore à l'île Maurice au xvii^e siècle. < *Ann. Sci. Nat.*, 5^e ser., x, 1869, pp. 325-346, pls. 15-18.

Not seen—title from *Zool. Rec.*

1869. MILNE-EDWARDS, A. Researches into the Zoological Affinities of the Bird recently described by Herr von Frauenfeld under the name of *Aphanapteryx imperialis*. < *Ibis*, 2d ser., v, 1869, pp. 256-275, pl. vii, woodc. figg. 1-8.

Places it among *Rallidæ*. Identifies it with the bird figured by Pieter van den Broeck (*Voy. Mauritius*, 1617, fig. 1), which is *Didus broeckii* Schleg.

"This paper is distinct from another published in (*Ann. Sc. Nat.*, 5^e sér., x, pp. 325-346, pls. 15-18) though, being written about the same time and the same materials, their similarity is at first sight obvious, and the plate is the same in both after the facsimile in Ritter von Frauenfeld's work (*Zool. Rec.*, v, p. 103); but this paper contains woodcuts, from Strickland's 'Dodo and its Kindred,' of Van den Broeck's and Herbert's figures of the bird. By means of the bones found in Mauritius by Mr. Edward Newton, the author makes out the affinities of this extinct form, which, he says, should bear the name of *A. broeckii* (Schlegel), and holds the place by the side of *Ocydromus* which that does to the more normal *Rallidæ*."—*Zool. Rec.*

1869. SCLATER, P. L. [Characters of a new Species of *Ocydromus* (*sylvestris*), p. 472, pl. xxxv.] < *P. Z. S.*, xxxvii, 1869, pp. 472, 473, pl. xxxv.

1869. WALKER, T. C. Curious position of Nest of Water Hen [*Gallinula chloropus*]. < *Zoologist*, 2d ser., iv, 1869, p. 1723.

1870. COUES, E. The Clapper Rail [*Rallus longirostris* (*crepitans*)]. < *Am. Nat.*,
iii, 1870, pp. 600-607.

Account of the breeding and other habits, from original observations at Fort Macon, N. C.

1870. REEKS, H. Land Rail [*Crex pratensis*] found alive in a Pea-rick in January. < *Zoologist*, 2d ser., v, 1870, pp. 2063, 2064.

1870. SMITH, C. Little Crake [*Porzana minuta*] in Somersetshire. < *Zoologist*, 2d ser., v, 1870, p. 2386.
1871. BOYES, F. Waterhen [*Gallinula chloropus*] submerging itself. < *Zoologist*, 2d ser., vi, 1871, pp. 2522, 2523.
1871. BOYES, F. Is the Corn Crake [*Crex pratensis*] Polygamous? < *Zoologist*, 2d ser., vi, 1871, p. 2869.
1871. BREHM, A. E. Zur Fortpflanzungsgeschichte des Purpurhühns [*Porphyrio sinaragnotus*, Temm.] < *J. f. O.*, xix, 1871, pp. 34-39.
In the Berlin Aquarium.
1871. JESSE, W. Early Nest of the Moorhen [*Gallinula chloropus*]. < *Zoologist*, 2d ser., vi, 1871, p. 2771.
1871. LAWRENCE, G. N. Descriptions of New Species of Birds from Mexico, Central America, and South America, with a Note on *Rallus longirostris*. < *Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 1-21.
The note on *Rallus longirostris* states that with this species *R. crassirostris* Lawr. from Bahia agrees; it being apparently different from *R. crepitans* Gm.
1871. LAWRENCE, G. N. [Maintains the validity of *Porzana guatemalensis*.] < *Ibis*, 3d ser., i, 1871, p. 370.
The editor maintains the contrary in a note appended.
1872. LEACH, H. R. The Landrail [*Crex pratensis*, near Harrow]. < *Zoologist*, 2d ser., vii, 1872, p. 3112.
1872. HADFIELD, H. Baillon's Crake [*Porzana bailloni*, in Isle of Man]. < *Zoologist*, 2d ser., vii, 1872, pp. 3272, 3273.
1872. MATHEW, M. A. Landrail [*Crex pratensis*] taking to Water. < *Zoologist*, 2d ser., vii, 1872, p. 3316.
1872. POTTS, T. H. Notes on a New Species of Rail, *Rallus pictus*, Painted Rail. < *Trans. and Proc. New Zealand Inst. for 1871*, iv, 1872, p. 202, 203.
1872. OWEN, R. [Letter on the Remains of Aptornis found in Glenmark Swamp, New Zealand.] < *P. Z. S.*, xi, 1872, p. 24.
1872. RICKARDS, M. S. C. Spotted Crake [*Porzana marnetta*] near Clifton. < *Zoologist*, 2d ser., vii, 1872, pp. 2945, 2946.
1872. WALDEN, Lord. Description of a new Species of *Porzana* [bicolor] from the Himalayas. < *Ann. Mag. Nat. Hist.*, 4th ser., ix, 1872, p. 47.
1872. WHITAKER, J., JR. Spotted Crake [*Porzana marnetta*] near Nottingham. < *Zoologist*, 2d ser., vii, 1872, p. 2946.
1873. ANON. Schlantheit einer Wasserhühns. < *Aus der Natur*, lxii, oder n. F., l, 1873, pp. 267, 268.
1873. ANON. The Notornis a rara avis. < *Forest and Stream*, i, Sept. 25, 1873, p. 103.
1873. ANON. [EDITORIAL.] [Abundance of Coots (*Fulica americana*) on the Massachusetts coast.] < *Am. Sportsman*, iii, 1873, p. 57.
1873. FINSCH, O. Bemerkungen zu dem vorstehenden [d. h., Hutton über die Ocydromus-Arten Neuseeland's] Aufsätze über die Ocydromus Arten. < *J. f. O.*, xxi, 1873, pp. 401-404.
1873. GURNEY, J. H. Note on the [habits of the] Waterhen [*Gallinula chloropus*]. < *Zoologist*, 2d ser., viii, 1873, p. 3580.
1873. GURNEY, J. H. Waterhens [*Gallinula chloropus*] nesting in Trees. < *Zoologist*, 2d ser., viii, 1873, p. 3652.
1873. HUTTON, F. W. On *Rallus modestus* of New Zealand. < *Ibis*, 3d ser., iii, 1873, pp. 349-352, woodcut.
Maintaining its specific validity.
1873. HUTTON, F. W. [Note on *Tribonyx mortieri*.] < *Ibis*, 3d ser., iii, 1873, pp. 427, 428.

1873. HUTTON, F. W. Ueber die Arten der Gattung *Ocydromus* in Neuseeland. < *J. f. O.*, xxi, 1873, pp. 398-401.
6 spp.—*O. hectori*, p. 399, *O. finschii*, spp. nn. Cf. *op. cit.*, 1872, pp. 174-181.
1873. NEWTON, A. [Remarks on exhibition of an old engraving of a bird resembling the 'Géant' of Leguat.] < *P. Z. S.*, xli, 1873, pp. 194, 195.
1873. SALVIN, O. Note on the *Fulica alba* of White. < *Ibis*, iii, 3d ser., 1873, p. 295, pl. x.
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1873. TATTON, T. E. Waterhens [*Gallinula chloropus*] Nesting in Trees. < *Zoologist*, 2d ser., viii, 1873, p. 3692.
1874. ANON. A strange circumstance. < *Am. Sportsman*, iii, 1874, p. 316. See also p. 364.
Note of finding a "rail" [*Porzana carolina*?] in southern New Jersey on Nov. 20th.
1874. BREWER, T. M. Breeding Grounds of the Sora Rail [*Porzana carolina*]. < *Am. Sportsman*, iv, 1874, p. 339.
Correcting errors of "Homo" (*ibid.*, July 18), defining breeding range of *Porzana carolina*, and describing nest and eggs.
1874. "C. B." Rail [*Porzana carolina*] in Winter. < *Am. Sportsman*, iv, 1874, p. 28.
At Whitehall, N. Y., in February.
1874. CLARK-KENNEDY, A. J. Baillon's Crake [*Porzana bailloni*] near Eastbourne. < *Zoologist*, 2d ser., ix, 1874, p. 4159.
1874. CORBIN, G. B. [Note on the habits of the] Corn Crake [*Crex pratensis*]. < *Zoologist*, 2d ser., ix, 1874, p. 3881.
1874. COUES, E. The Rails—Family Rallidæ. < *Am. Sportsman*, v, Oct. 31, 1874, p. 65.
From his 'Birds of the Northwest.'
1874. DURNFORD, H. Note on the habits of the Water Rail [*Rallus aquatilis*]. < *Zoologist*, 2d ser., ix, 1874, pp. 3881, 3882.
1874. "FRIEND OF DOG AND GUN." [JUSTUS VON LINGERKE.] Least Water Rail [*Porzana jamaicensis*]. < *Am. Sportsman*, v, Dec. 12, 1874, p. 171.
Occurrence at West Hoboken, N. J.
1874. GURNEY, J. H. Water Rail [*Rallus aquatilis*, captured by hand]. < *Zoologist*, 2d ser., ix, 1874, p. 4036.
1874. "HOMO." [C. S. WESTCOTT.] Rail [*Porzana carolina*] Shooting on the Delaware River. < *Am. Sportsman*, iv, 1874, p. 166.
1874. HUTTON, F. W. On a New Genus [*Cabalus*] of Rallidæ. < *Trans. and Proc. New Zealand Inst.*, for 1873, vi, 1874, pp. 108-110, pl. xx.
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1874. HUTTON, F. W. Notes on the New Zealand Wood-hens (*Ocydromus*). < *Trans. and Proc. New Zealand Inst.*, for 1873, vi, 1874, pp. 110-112.
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1874. "JACOBSTAFF." Sora [*Porzana carolina*] in May [in Central New York]. < *Forest and Stream*, ii, May 21, 1874, p. 230. See p. 261.
1874. KRIDER, J. Rail [*Porzana carolina*] out of Season. < *Am. Sportsman*, iii, 1873-74, p. 364.
Reply to note on p. 316. *ibid.*, concerning late stay of *Porzana carolina*.
1874. O[USTALET], E. Les anciens oiseaux des îles Mascareignes I La poule d'eau de l'île Maurice. < *La Nature*, 2^e année, N^o. 34, 24 janvier 1874, pp. 113-116, dessin.
1874. PALMER, J. E. Baillon's Crake [*Porzana bailloni*] near Huddersfield. < *Zoologist*, 2d ser., ix, 1874, p. 4159.

1874. PILLEY, J. B. Landrail [*Crex pratensis*] in January [in Great Britain]. < *Zoologist*, 2d ser., ix, 1874, p. 3953.
1874. SCHOMBURGK, R. [Communication from, containing an account of the nesting-habits of *Fulica australis*]. < *P. Z. S.*, xlii, 1874, p. 129.
1874. SUCKER, A. [*pseudon.*] [Occurrence of *Porzana noveboracensis* at Centralia, Ill.] < *Am. Sportsman*, iv, 1874, p. 45.
 "Sucker" is a local vulgarity for a native of Illinois, said to have originated from some necessity early settlers were under of finding water in holes in the prairie so deep that they were obliged, as it were, to suck it up in drinking. However apt or otherwise eligible the slang pseudonyms of sporting writers may seem to them at the time when they "write for the newspapers," such nonsense wears a very unbecoming air when it comes to be set forth formally in Bibliography.
1875. BULLER, W. L. [On *Rallus modestus*]. < *Trans. and Proc. New Zealand Inst. for* 1874, vii, 1875, *Proc. Wellington Phil. Soc.*, p. 511.
 Prof. Newton's determination of the validity of the species.
1875. CORBIN, G. B. Coot [*Fulica atra*] near Ringwood. < *Zoologist*, 2d ser., x, May, 1875, pp. 4458, 4459.
1875. "R." Singular Freak of a Coot [*Fulica americana*]. < *Forest and Stream*, v, Oct. 7, 1875, p. 131.
1875. RAMSAY, E. P. Description of the Eggs and Young of *Rallina tricolor*, from Rockingham Bay. < *P. Z. S.*, Nov. 16, 1875, pp. 603, 604.
1875. WHITMAN, G. P. The Purple Gallinule [*Porphyrio martinica*, in Eastern Massachusetts]. < *Forest and Stream*, iv, Apr. 22, 1875, p. 167.
1875. WHITMAN, G. P. The Purple Gallinule [*Porphyrio martinica*, in Massachusetts]. < *Am. Nat.*, ix, No. 10, Oct., 1875, p. 573.
1876. BOYES, F. Is the Common Waterhen [*Gallinula chloropus*] Migratory or not? < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4845, 4846.
1876. GARROD, A. H. On the Anatomy of *Aramus scolopaceus*. < *P. Z. S.*, Mar. 7, 1876, pp. 275-277, figg. 1-3.
 Important; with special reference to the systematic position of the genus, which is considered to be most intimately related to *Grus*, in view of many of its anatomical characters. The skull is figured in three views.
1876. [GERVAIS, P.] (A. H.) Garrod: Sur l'anatomie de l'*Aramus scolopaceus*. (Proc. zool. Soc. London, 1876, p. 275). < *Gerv. Journ. de Zool.*, v, 1876, pp. 439, 440.
 See last title.
1876. [GRINNELL, G. B.] A Word or two about some of our Rails [North American Rallidæ]. < *Forest and Stream*, vii, Nov. 9, 1876, p. 212.
1876. GURNEY, J. H., JR. Little Crane [*Porzana minuta*] at Hastings. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5126.
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Psophiidae.

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Not seen: see the original, *Charlesw. Mag. Nat. Hist.*, ii, 1838, pp. 490-492.
1862. BATAILLE, —. Observations sur l'Agami [Psophia crepitans]. < *Bull. Soc. Acclim.*, ix, 1862, pp. 210, 211.
1862. TARADE, E. DE. Sur l'Agami [Psophia crepitans]. Lettre adressée a M. le président de la Société impériale d'Acclimatation. < *Bull. Soc. Acclim.*, ix, 1862, pp. 293, 294.
1872. VOISIN, P. Les Agamis (Psophia [crepitans]). < *Bull. Soc. Acclim.*, 2^e sér., ix, 1872, pp. 692, 693.
Mœurs et habitudes.

Cariamidae.

1809. GEOFFROY SAINT-HILAIRE, É. Description Du Cariama de Maregrawe, *microdactylus Maregravii* [Dicholophus cristatus]. < *Ann. du Mus. d'Hist. Nat.*, xiii, 1809, pp. 362-370, pl. 26.
 Avec les caractères des genres *Palamedea* et *Psophia*, et sur les habitudes du *Cariama*.
 On the strength of the above, G. R. Gray quotes *Microdactylus maregravii*, g. sp. n., Geoffr., 1809.
1823. MAXIMILIAN, —. Beiträge zur Naturgeschichte des Sariam oder Seriam [Dicholophus cristatus]. < *Nov. Act. Acad. Leop. Carol. Nat. Cur.*, xi, pt. ii, 1823, pp. 341-350, pl. 45.
 Mir nicht zugänglich.
1836. MARTIN, W. [Notes on the visceral and osteological Anatomy of the Cariama (Dicholophus cristatus Ill.)] < *P. Z. S.*, iv, 1836, pp. 29-32.
1838. MARTIN, [W.] Zerlegung des Sariam (Dicholophus cristatus). < *Oken's Isis*, Bd. xxxi, 1838, p. 181.
 Aus d. *P. Z. S.*, iv, 1836, pp. 29-32.
1853. BURMEISTER, H. Beiträge zur Naturgeschichte des Seriam [Dicholophus cristatus]. < *Abhandl. d. Naturf. Gesellsch. zu Halle*, Bd. i, Quart. i, 1853, pp. 11-52, 2 Tafeln. (Auch besonders gedruckt, Halle, Schmidt, 1854. 4to.)
 Nicht mir zugänglich.—Titel aus Carus & Engelmann. Cf. *J. f. O.*, 1854, p. 67, 68.
1853. NITZSCH, C. L. Vergleichung des Skelets von Dicholophus cristatus mit dem Skelettypus der Raubvögel, Trappen, Hühner und Wasserhühner. < *Abhandl. d. Naturf. Gesellsch. zu Halle*, Bd. i, Quart. i, 1853, pp. 53-58.
 Nicht mir selbst zugänglich.—Vergl. Sund., *Tent.*, 1873, p. 111; Parker, *M. Micr. Journ.*, 1873, p. 45.
1854. CABINIS, J. Abhandlungen der Naturforschenden Gesellschaft zu Halle; I. Band, I. Quartal. < *J. f. O.*, ii, 1854, pp. 67, 68.
 Grösstentheils eine Notiz über Burmeister's „Beiträge zur Naturgeschichte des Seriam.“
1857. BARRON, C. Note on the Osteology of Cariama [Dicholophus cristatus]. < *Zoologist*, xv, 1857, p. 5428.
1860. HARTLAUB, G. On a New Form of Grallatorial Bird nearly allied to the Cariama (Dicholophus cristatus). < *P. Z. S.*, xxviii, 1860, pp. 334-336.
Dicholophus burmeisteri. See Burm., *Reise*, 1861, p. 66.
1860. HARTLAUB, G. On a [lately] New Form of Grallatorial Bird nearly allied to the Cariama (Dicholophus cristatus). < *Ann. Mag. Nat. Hist.*, 3d ser., vi, 1860, pp. 451, 452.
D. burmeisteri. From *P. Z. S.*, June 26, 1860, pp. 334-336.
1872. GÜNTHER, A. Note on a Deformed Example of Cariama [Dicholophus] cristata. < *Ann. Mag. Nat. Hist.*, 4th ser., x, 1872, pp. 67, 68.

Palameideidæ.

1797. GEOFFROY ST.-HILAIRE, É. Sur les genres Psophia et Palamedea de Linné.
 < *Millin, Magas. Encycl.*, iii, iv, 1797, pp. 10-12; *Bull. Sc. Soc. Philom.*, i, ii, 1797,
 pp. 50, 51.
 Pas vu moi-même—le titre tiré de la *Bibl.* de Carus et Engelmann.
1842. MARTIN, W. [Notes on the Habits of the Horned Screamer (Palamedea cornuta,
 Linn.)] < *P. Z. S.*, x, 1842, pp. 15, 16.
1843. MARTIN, W. [Zur Lebensweise von Palamedea cornuta.] < *Froriep's Neue Noti-
 zen*, xxv, No. 545, 1843, pp. 259-261.
 Not seen. From *P. Z. S.*, 1842, pp. 15, 16.
1845. GRAY, G. R. [Channa derbiana, sp. n.] < *Gray & Mitch. Gen. B.*, Jan., 1845, pl.
 160.
1863. PARKER, W. K. On the Systematic Position of the Crested Screamer (Palamedea
 chavaria). < *P. Z. S.*, xxxi, 1863, pp. 511-518.
 "Probably one of the nearest relatives of the marvellous *Archæopteryx*."
1863. SCLATER, P. L. [On Chauna "chavaria" from New Grenada, afterward C.
 nigricollis.] < *P. Z. S.*, 1863, pp. 377, 378.
 Not a separate paper. See *P. Z. S.*, 1864, p. 74.
1863. SCLATER, P. L. [On Chauna "derbiana", afterward C. nigricollis.] < *Illus-
 trated London News*, Oct. 3, 1863, fig.
 Not seen. The bird called *C. chavaria* in *P. Z. S.*, 1863, p. 377, and here figured as *C. derbi-
 ana*, afterward became type of *C. nigricollis*, *P. Z. S.*, 1864, p. 75.
1864. CRISP, E. On the Visceral Anatomy of the Screamer (Chauna chavaria [nigri-
 collis]). < *P. Z. S.*, Jan. 12, 1864, pp. 14-16.
 Also on the history and habits of the species. The bird here described is said to be that
 afterward named *C. nigricollis* by Sclater, *tom. cit.*, p. 75, pl. xi, = *derbiana*.
1864. PARKER, W. K. On the Systematic Position of the Crested Screamer [Pala-
 medea chavaria]. < *Ann. Mag. Nat. Hist.*, 3d ser., xiv, 1864, pp. 144-150.
 From *P. Z. S.*, Dec. 8, 1863, pp. 511-518.
1864. SCLATER, P. L. On the Species of the Genus Chauna. < *P. Z. S.*, xxxii, 1864,
 pp. 74-76, pl. xi.
 The writer here distinguishes three spp. of the genus—*C. C. chavaria*, *derbiana*, and *nigri-
 collis*, sp. n., p. 75, pl. xi; the latter being that called *C. derbiana* in *Illust. Lond. News*, Oct.
 3, 1863, and *C. chavaria* in *P. Z. S.*, 1863, p. 377, and 1864, p. 14. See *P. Z. S.*, 1866, p. 369.
1866. MOORE, T. J. On the Habitat of the Derbian Crested Screamer (Chauna der-
 biana, G. R. Gray). < *P. Z. S.*, xxxiv, 1866, pp. 368, 369.
 Probably the "low and swampy parts of New Granada."
1866. SCLATER, P. L. Note on Chauna nigricollis. < *P. Z. S.*, xxxiv, 1866, pp. 369, 370.
 Here finally identified with *C. derbiana*.
1866. SCLATER, P. L. [Remarks upon exhibition of a specimen of Chauna derbiana
 from Trinidad.] < *P. Z. S.*, xxxiv, 1866, p. 417.
 The "Palamedea cornuta" of Léotaud, *Ois. Trin.*, p. 488, suspected to be this species.
1876. GARROD, A. H. On the Anatomy of Chauna derbiana, and on the Systematic
 Position of the Screamers (Palameideidæ). < *P. Z. S.*, Feb. 1, 1876, pp. 189-200,
 pll. xii-xv, figg. 1-4.
 A very important paper, in which the structure of the genus, here largely detailed, is taken
 as the guide to its classification. The author concludes that the family cannot be kept among
 the Anserine birds, where Flower had placed it. "In the windpipe and the form of the
 angle of the jaw, they no doubt closely approach them. In their alimentary canal they are
 much nearer to *Struthio* and *Rhea* (not *Dromæus* and *Casuarus*) than to any other birds. There
 is a Ciconine tendency in their myology, whilst their osteology points in no special direction.
 It seems, therefore, to me that, summing these results, the Screamers must have sprung
 from the primary avian stock as an independent offshoot at much the same time as did most
 of the other important families." On the species treated, cf. *P. Z. S.*, 1863, p. 511; 1867, p.
 415; 1874, p. 117.

Opisthocomidæ.

1785. SONNINI DE MANONCOUR, C. N. S. Du Sasa [*Opisthocomus cristatus*], Oiseau de la Guyane. < *Journ. de Physique*, xxvii, 1785, pp. 222-224.
Pas vu moi-même: le titre tiré de la *Bibl.* de Carus et Engelmann.
1787. SONNINI DE MANONCOUR, C. N. S. Ueber den Sasa [*Opisthocomus cristatus*], einen Vogel aus Guiana. < *Licht. u. Voigt's Magaz.*, 3d ser., iv, 1787, pp. 45-50.
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann, *Bibl.*
1852. DEVILLE, É. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Monches, suivies de quelques notes anatomiques et de mœurs sur l'Hoazin [*Opisthocomus cristatus*], le Caurale, et le Savacou. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 208-226, pl. 9.
Sur l'organisation et les mœurs de l'Hoazin, pp. 217-222, pl. 9.
1852. DEVILLE, É. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Monches, suivies de quelques Notes sur l'organisation et les mœurs du Caurale, de Savacou et de l'Hoazin [*Opisthocomus cristatus*]. < *Compt. Rend. de l'Acad. Sci.*, xxxiv, 1852, pp. 652-654.
Extraites par l'auteur. Ici la quatrième et principale partie de ses "Observations," sur l'anatomie de l'Hoazin.
1870. CABANIS, J. [Eier des *Opisthocomus cristatus*.] < *J. f. O.*, xviii, 1870, pp. 318, 319, pl. i, fig. 3.
1873. PERRIN, J. B. Note on the Myology of *Opisthocomus cristatus*. < *P. Z. S.*, 1873, p. 685.
1879. GARROD, A. H. Notes on Points in the Anatomy of the Hoatzin (*Opisthocomus cristatus*). < *P. Z. S.*, Feb. 4, 1879, pp. 109-114, figg. 1, 2, and diagram.
Important. *Opisthocomus* must be either considered Gallinaceous or form a group by itself; hardly possible to include it with *Gallinæ*, though it resembles them closely, as it also does *Cuculidæ*, and is not far removed from *Musophagidæ*.

Eurypygidæ.

1781. [PALLAS, P. S.] Beschreibung der sogenannten surinamischen Sonnen-reygers [Ardea (Eurypyga) helias, sp. n.]. < *Neue Nord. Beitr.*, ii, 1781, pp. 48-54, pl. Nicht mir selbst zugänglich.
1844. DES MURS, O. Notice et considérations oologiques sur le genre ornithologique Caurale, Ardea [Eurypyga] helias (L.) < *Guér. Mag. de Zool.*, 2^e sér., année 1844, Oiseaux, pp. 1-6, pl. 49.
Pl. 49, f. 1, Oeuf de l'*Eurypyga helias*; f. 2, Oeuf de *Rallus variegatus*.
1852. DEVILLE, É. [Quelques notes anatomiques et de mœurs sur le Caurale (Eurypyga helias).] < *Rev. et Mag. de Zool.*, iv, 1852, pp. 222 et suiv.
Formants une partie d'un article plus étendu sur l'Hoazin, etc.
Bull. v, 4—25

Ciconiidae.

[Including *Ibis*, *Tantalus*, *Platalea*, etc.]

1630. SCHWALBACH, J. G. *Dissertatio de Ciconiis, Gruibus et Hirundinibus, quo exeunte aestate abvolent et ubi hyement.* Spirae. 1630. 4to. pp. 28.
Haud mihi obvia.
1661. SCHOOCK, M. *De Ciconiis tractatus.* Ed. 2da. Amstelædami. 1661. 12mo. pp. 82.
Mihi incognitus.
1672. PRAETORIUS, J., *præs.*, resp. BRUNO, F. R. *Disputatio de Crota* LJustJa tepJ DJ teMporJs hospJta oder von des Storchs [Ciconia] Winterquartier. Lipsiæ, recusa 1672. 4to. 6 folia. (Ibid. 1702. 4to. pp. 48.)
Haud mihi obvia.
1679. LETTAW, EOBALD A. *Dissertatio de Ciconiis earumque proprietatibus.* Freyb. 1679. 4to. 1½ folia.
Haud mihi obvia.
1679. STRAUSS, L., *præs.*, resp. STRAUSS, J. D. *Dissertatio de Ciconia.* Giessæ. Karger. 1679. 4to. pp. 19.
Haud mihi obvia.
1680. JACOBÆUS, O. *Anatome Ciconiæ.* < *Bartholini Acta Hafn.*, v, 1680, pp. 247-249.
Haud mihi obvium.
1683. PEYER, J. C. *De Ciconiæ ventre et affinitate quadam cum ruminantibus.* < *Ephem. Acad. Nat. Cur.*, Dec. ii, Ann. 2, 1683, 1698, pp. 245-247, pl.
Haud mihi obvius.
1687. SCHELHAMMER, G. C. *Ciconiæ Anatome.* < *Ephem. Acad. Nat. Cur.*, Dec. ii, Ann. 6, 1687, 1688, pp. 206-208.
Haud mihi obvium.
1688. SCHULTZE, S. *De Ciconiæ Vindicta.* < *Ephem. Acad. Nat. Cur.*, Dec. i, Ann. 6, 7, 1675-76, 1688, pp. 227, 228.
Haud mihi obvius.
1689. SVEDERUS, M. *Ciconia seu Diss. acad. de Jure Antipelargiæ*; Præs. M. Svederus, Resp. L. A. Lechander, W. Gotho. Aboæ. 1689. 4to. pp. 8, 20.
Haud mihi obvia.
1692. FOGIUS, D. *Dissertatio de Ciconiarum hibernaculis.* Præs. Dav. Fogius, resp. Chr. Litzow. Hafncæ. 1692. 4to. pp. 12.
Haud mihi obvia.
1717. LIMPRECHT, J. A. *Ciconiæ Anatome.* < *Ephem. Acad. Nat. Cur.*, Cent. 5 et 6, 1717, pp. 209-212.
Haud mihi obvia.
1733. ———. [Observation sur l'Ibis blanc, oiseau singulier d'Égypte.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1683, i, 1733, pp. 363, 364.
1734. PERRAULT, C. *Description anatomique de quatre Pallettes [Platalea].* < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusqu. 1699, iii, pt. iii, 1734, pp. 22-30, pl. 5, 6.
1734. PERRAULT, C. *Description anatomique d'un Ibis blanc et de deux Cicognes.* < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusqu. 1699, iii, pt. iii, 1734, pp. 53-72, pl. 13, 14.
1752. MÜLLER, JOACH. FRIEDR. *Bemerkungen vom Storch [Ciconia].* < *Physikal. Belustign.*, ii, 1752, pp. 538, 539.
Mir nicht zugänglich.

1757. PERRAULT, C. Anatomische Beschreibung von vier Löffel- oder Spatelgänsen [Platalea]. < *Abhandl. Königl. Französisch. Akad.*, ii, 1757, pp. 193—
Not seen—title from Giebel. German transl. from *Mém. de l'Acad. Roy. des Sci.*, iii, pt. iii, 1734, p. 22.
1757. PERRAULT, C. Anatomische Beschreibung eines Ibis und zweener Störche. < *Abhandl. Königl. Französisch. Akad.*, ii, 1757, pp. 257—
Not seen—title from Giebel. German transl. from *Mém. de l'Acad. Roy. Paris*, iii, pt. iii, 1734, p. 58.
1798. VAHL, M. Om Tantalus Pavoninus, Spalowsky. < *Skrivt. Naturh. Selsk. Kjöbenhavn.*, iv, Heft ii, 1798, pp. 122-125.
Not seen.
1798. VAHL, M. Om Myceteria orientalis. < *Skrivt. Naturh. Selsk. Kjöbenhavn.*, iv, Heft ii, 1798, pp. 126-132.
Not seen.
1799. DUMÉRIL, G. Mémoire sur une espèce d'articulation dans laquelle le mouvement des os s'exécute à l'aide d'un ressort, observé sur les pattes d'un Cicogne [Ciconia alba]. < *Bull. Sci. Soc. Philom.*, ii, An. VII (1799), pp. 4, 5.
Pas vu moi-même.
1800. CUVIER, G. Sur l'Ibis des anciens Égyptiens. < *Bull. Sci. Soc. Philom.*, ii, An. VIII (1800), pp. 119—
Pas vu moi-même: le titre tiré de la *Bibl.* de Carus et Engelmann.
1800. CUVIER, G. Mémoire sur l'Ibis des anciens Égyptiens. < *Journ. de Phys. Chim. Hist. Nat.*, li, 1800, pp. 184-192, pl.
Parmi les résultats du mémoire, il est constaté par l'auteur que l'Ibis des anciens n'est point l'Ibis de Perrault et de Buffon, qui est un *Tantalus*, ni l'Ibis de Hasselquist, qui est un *Ardea*, ni l'Ibis de Maillet, qui est un *Vautour*; mais c'est un *Numenius* ou Courlis qui n'a point encore été nommé, et que Bruce a figuré sous le nom d'abou-hannès. L'auteur le nomme *Numenius ibis* (sp. n., p. 192), albus, capite et collo nudis, remigibus, pennis uropygii elongatis, rostro et pedibus nigris.
Mais on doit ajouter, que l'oiseau ici décrit par l'auteur n'est néanmoins point une espèce du genre *Numenius* des auteurs modernes, de la famille des Scolopacidés, mais véritablement un Ibis.
1800. CUVIER, "C." [i. e., G.] Memoir on the Ibis of the Antient Egyptians. < *Tillock's Philos. Mag.*, viii, 1800, pp. 61-70, pl. iii.
From *Journ. de Physique*, Fructidor, An. VIII. Determined to be a *Numenius*, and called, on p. 70, *Numenius ibis*; description, p. 64. The article is chiefly occupied in bibliographical research, and concludes with the statement that the *Tantalus ibis* of Linnæus comprehended four different species of three genera. The bird is the *Ibis æthiopicus*.
1800. SHAW, G. Description of a new Species of Myceteria [senegalensis]. < *Trans. Linn. Soc.*, v, 1800, pp. 32-35, pl. iii.
M. senegalensis, p. 35, pl. 3: with characters, also, of *M. americana* and *M. australis*.
1801. CUVIER, G. Sur l'Ibis des anciens Égyptiens. < *Millin, Magas. Encycl.*, vi, pt. i, 1801, pp. 527, 528.
Pas vu moi-même: le titre tiré de Carus et Engelmann.
1802. CAVANILLES, A. J. De la Ciguëna blanca [Ciconia alba]. < *Anal. Hist. Nat.*, v, No. 15, 1802, pp. 234-244.
Not seen.
1803. SARTORIUS, —. Beobachtungen über die schwarzen Störche [Ciconia nigra]. < *Voigt's Mag.*, vi, 1803, pp. 227-233.
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1804. CUVIER, G. Mémoire Sur l'Ibis des Anciens Egyptiens. < *Ann. du Mus. d'Hist. Nat.*, iv, 1804, pp. 116-135, pll. lii, liii (Ibis, pll. i-iii).
Méprises des auteurs modernes—Mummies de l'ancien ibis—Description du squelette faite d'après les momies de Thèbes—Détermination du véritable Ibis—Comparaison de cet oiseau avec ceux qu'on a confondus avec lui—Description qu' Hérodote a faite—Examen de plusieurs monumens antiques sur lesquels on voit la figure de l'Ibis—Origine des erreurs—Preuve offerte par les momies que les ibis maugioient des serpens—Comparaison des plumes trouvées dans les momies avec celle de l'oiseau qu'on a prouvé être l'Ibis—Résultat du mémoire.

1804. CUVIER, G.—Continued.

"3^e *L'ibis* des anciens n'est point l'ibis de Perrault et de Buffon, qui est un tantalus, ni l'ibis de Hasselquist, qui est un ardea, ni l'ibis de Maillet, qui est un *vautour*; mais c'est un numenius ou courlis qui n'a été décrit et figuré au plus que par Bruce sous le nom d'*abou-hannès*. Je le nomme numenius ibis" (p. 134).

Pl. i, squelette de l'ibis, tiré d'une momie de Thèbes; pl. ii, L'oiseau, *Numenius ibis*, Cuv.; pl. iii, Figure copiée sur l'un des Temples de la haute Égypte, et bec d'une momie.

Pour son premier mémoire, et pour une traduction Anglaise, voir 1800, CUVIER, G.

1805. PEARSON, J. Some Account of two Mummies of the Egyptian Ibis [æthiopicus], one of which was in a remarkably perfect State. < *Philos. Trans.*, xciv, pt. ii, 1805, pp. 264–271, pl. viii.

Taken by Major Hayes, in 1802–3, from catacombs at Thebes, and described with particularity. The plate, of natural size, shows the position given to the body by the embalmer.

1805. SAVIGNY, J. C. Histoire | Naturelle et Mythologique | de l'Ibis [religiosa]; | Par Jules-César Savigny, | Membre de l'Institut d'Égypte; | Ornée de six planches gravées par Bouquet, | d'après les dessins de H. J. Redouté et | Baraband. | [Dessin.] | Libyisque vescens ipsa scorpionibus . . . | Phile. | Paris, | Allais, Libraire, quai des Augustins, n^o. 39. | — | M. DCCC. V. 1 vol. sm. 8vo. pp. i–xiv, 1–224, pll. i–vi.

This is a celebrated treatise on a very celebrated bird, replete with curious learning upon the natural, mythological, and philological history of the Ibis, gathered by the author as a part of his researches in Egypt. The bird excited much attention about that time; the Baron Cuvier gave his views on the same subject; and quite a literature was soon formed, both as regards the ornithological and the archæological aspects of the case. The present memoir became the occasion of much discussion, and the information it contains is found in various other writings, under different guises.

1805. VOSMAER, A. Histoire Naturelle | du | Courli | Africain []. | Ayant été conservé dans le Muséum | De son Altesse Sérénissime Monseigneur le Prince | D'Orange-Nassau. | Par Feu Mr. | A. Vosmaer, | De sa vie Conseiller de S. A. S., Directeur de son Cabinet d'Histoire | Naturelle & des Curiosités, Membre de l'Académie Impériale, | Correspondant de l'Académie Royale des Sciences de Paris, | Membre de celle de Madrid & des Sociétés Litteraires de Flessingue & de Harlem &c. | — | A Amsterdam, chez | J. B. Elwe, | MDCCCV. 4to. pp. 8, pl.

1806. JOMARD. — Observations sur l'Histoire Naturelle et Mythologique de l'Ibis, Ouvrage de J. C. Savigny, Membre de l'Institut d'Égypte. [Par M. Jomard.] n. d. n. p. [Paris. Delance. 1806.] 1 vol. 8vo. pp. 27.

Extraites du Magasin Encyclopédique, numéro de Février 1806.

18—. ROZIÈRE, —. De l'Ibis Égyptien. [Par Rozière.] 8vo. pp. 22.

Extrait du ———? À propos de l'ouvrage de M. J. C. Savigny, intitulé: *Hist. Nat. et Mythol. de l'Ibis*: donnant les principaux résultats du travail de M. Savigny, en y joignant quelques observations.

1817. MONTAGU, G. Some Remarks on the Natural History of the Black Stork [*Ciconia nigra*], for the first time captured in Great Britain. < *Trans. Linn. Soc.*, xii, pt. i, 1817, pp. 19–23.1817. ORD, G. An Account of an American Species of the Genus Tantalus or Ibis. < *Journ. Acad. Nat. Sci. Phila.*, i, 1817, pp. 53–57.

Identified, with a query, with *T. mexicanus* Gm. This is probably the earliest special notice of the Glossy Ibis (*Plegadis falcinellus*) in North America.

1822. "L'UN DE VOS AUDITEURS À L'ATHÉNÉE." Au rédacteur du Journal de Physique. < *Journ. de Phys. Chim. Hist. Nat.*, xciv, 1822, p. 320.

Quelques faits concernant les mœurs des Cicognes.

1823. MONTAGU, G. Einige Bemerkungen über die Naturgeschichte des schwarzen Storchs, Ardea [*Ciconia*] nigra Linn., den man vor kurzem zum erstenmal in England angetroffen hat. < *Oken's Isis*, Jahrg. vii, 1823, (*Litter. Anzeig.*), pp. 539–543.

Aus d. *Trans. Linn. Soc. Lond.*, xii, pt. i, 1817, pp. 19–23.

1825. ADAM, J. A description of the Ciconia Argala or Adjutant Bird of Bengal. < *Trans. Med. Phys. Soc. Calcutta*, i, 1825, pp. 240-248.
Not seen—title from *Roy. Soc. Cat.* It is reprinted in several places. See below.
1826. ADAM, J. Description of the Ciconia Argala [sic], or Adjutant Bird. < *Edinb. New Philos. Journ.*, i, 1826, pp. 327-332.
From *Trans. Med. and Phys. Soc. Calcutta*, i, 1825, pp. 240-248. Description followed by extended account of habits. Also in *Forriep's Notizen*, xv, No. 328, 1826, pp. 307-309, and *Isis*, 1832, p. 685.
1826. [TEMMINCK, C. J., and LAUGIER, M.] Notice sur les Cigognes, et particulièrement sur les trois grandes espèces qui fournissent à la toilette des dames les plumes déliées dites Marabou. < *Ann. des Sci. Nat.*, vii, 1826, pp. 91-96.
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Though ostensibly dating Dec., 1864, this article cannot have been published before 1865, for the end of it is a part of the same sheet of paper (signature 29) that begins the next article, dated May, 1865.

The article treats of *Ciconia* (7 spp.), *Mycteria* (4 spp.), *Anastomus* (2 spp.), *Tantalus* (4 spp.), and *Platalea* (6 spp.), represented in the Leyden Museum by 152 specimens.

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1873. DROSTE-HÜLSHOFF, [F.] v. [Störche als Vertilger von Feldmäusen.] < *Zool. Gart.*, xiv, 1873, pp. 153, 154.
1873. DROSTE-HÜLSHOFF, F. v. (Störche als Vertilger von Feldmäusen und Verzehr von Vögeln.) < *Zool. Gart.*, xiv, 1873, pp. 394-396.
1873. JÄCKEL, [A. J.] Die Störche als Vertilger der Feldmäuse. < *Zool. Gart.*, xiv, 1873, pp. 312-314.
1873. OLFERS, E. v. (Die bewachsenen Storchnester). < *Zool. Gart.*, xiv, 1874, p. 476.
1873. ROPE, G. T. White Stork [*Ciconia alba*] in Suffolk. < *Zoologist*, 2d ser., viii, 1873, p. 3580.
1873. SWINHOE, R. On the Rosy Ibis of China and Japan (*Ibis nippon*). < *Ibis*, 3d ser., iii, 1873, pp. 249-253.
Biographical, descriptive, and anatomical notes.
1873. SWINHOE, R. On the White Stork of Japan. < *P. Z. S.*, 1873, pp. 512-514.
Ciconia boyciana, sp. n., p. 513.
1874. ANON. White Stork [*Ciconia alba*] near Berwick-on-Tweed. < *Zoologist*, 2d ser., ix, 1874, p. 4199.
1874. ANON. Eine neue weisse Storchenart [von Japan von Savachon beschrieben]. < *Aus der Natur*, lxiv, oder n. F., lii, 1874, p. 204.
1874. BROUGHTON, H. T. Spoonbill [*Platalea leucorodia*] in Guernsey. < *Zoologist*, 2d ser., ix, 1874, pp. 3835, 3836.
1874. COUES, E. Shooting Wood Ibises [*Tantalus loculator*]. < *Am. Sportsman*, iv, 1874, p. 225.
Popular account of his experiences with these birds at Fort Yuma, California.
1874. SCLATER, P. L. [Report on addition of *Ciconia boyciana* to the Society's Menagerie.] < *P. Z. S.*, xlii, 1874, pp. 1, 2, pl. 1.
Cf. *P. Z. S.*, 1873, p. 513.
1874. SCLATER, P. L. [Remarks upon exhibition of a skin of *Ciconia boyciana*.] < *P. Z. S.*, xlii, 1874, pp. 306, 307.
Cf. *P. Z. S.*, 1873, p. 513; 1874, p. 2.
1875. GARROD, A. H. On the Form of the Trachea in certain Species of Storks and Spoonbills. < *P. Z. S.*, Apr. 6, 1875, pp. 297-301, figg. 1, 2.
Fig. 1, singularly complicated trachea of *Tantalus ibis*; f. 2, bifurcation of bronchi in neck of *Platalea ajaja*. Important conclusions, on anatomical grounds, of the relationships of *Ibis*, *Platalea*, *Tantalus* and *Ciconia*—the two former well distinguished from the two latter.
1876. ALLEN, J. A. Occurrence of the Wood Ibis [*Tantalus loculator*] in Pennsylvania and New York. < *Bull. Nutt. Ornith. Club*, i, No. iv, Nov., 1876, p. 96.
1876. ANON. [EDITORIAL.] [Wood Ibis (*Tantalus loculator*) in Rensselaer County, New York.] < *Rod and Gun*, viii, July 29, 1876, p. 280.

1876. COUES, E. Range of the Bay Ibis [*Ibis falcinellus*, in Oregon]. < *Am. Nat.*, x, No. 1, Jan., 1876, p. 48.
1876. GURNEY, J. H., JR. Black Stork [*Ciconia nigra*] at Lydd, in Kent. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4764.
1876. GURNEY, J. H., JR. Glossy Ibis [*Ibis falcinellus*]. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4844.
1876. HUDSON, W. H. Note on the Spoonbill [*Platalea* sp.] of the Argentine Republic. < *P. Z. S.*, Jan. 4, 1876, p. 15.
Probably distinct from *P. ajaja*; not named.
1876. WEBSTER, F. S. The Wood Ibis [*Tantalus loculator*] at Troy [N. Y.]. < *Forest and Stream*, vi, July 20, 1876, p. 357.
1877. ELLIOT, D. G. A Review of the Iridinæ, or Subfamily of the Ibises. < *P. Z. S.*, June 5, 1877, pp. 477-510, pl. li.

An important memoir, not to be overlooked even by those who may disagree with many of the author's conclusions. It is based upon the material in the Paris Museum and in the Salvin-Godman and Shelley collection. It gives the leading literature of the subfamily, the systematic position, the geographical distribution, with more or less descriptive and critical matter under each species, with a very copious synonymy.

The author recognizes 25 spp. of Ibises, which he disposes in 19 genera, three of which are new. Most of these genera were founded by Wagler in 1832 or by Reichenbach in 1851 (or thereabouts—Gray gives 1853), as appears from the following chronological enumeration, in which the 19 adopted by Elliot are asterisked:—

1800. *Numenius*, Cuv. Type, *Tantalus æthiopicus*, Lath. [Preoccupied.]
- *1803. *Falcinellus*, Bechst., *Gem. Nat.* Type, *Tantalus falcinellus*, L. [Not so.]
- *1810. *Ibis*, Savigny, *Ois. Égypt.*, p. 392. Type, *Tantalus æthiopicus*, Lath.
[1829. *Plegadis*, Kaup, *Sk. Ent. Eur.* Theirw., p. 82.]
1832. *Tantalides*, Wagl., *Isis*, p. 1231. Type, *Tantalus falcinellus*, L.
- *1832. *Theristicus*, Wagl., *Isis*, p. 1231. Type, *Scolopax caudatus*, Bodd.
- *1832. *Geronticus*, Wagl., *Isis*, p. 1232. Type, *Tantalus calvus*, Bodd.
- *1832. *Harpiprion*, Wagl., *Isis*, p. 1232. Type, *Tantalus cayennensis*, Gm.
- *1832. *Eudocimus*, Wagl., *Isis*, p. 1232. Type, *Tantalus ruber*, L.
- *1832. *Cercibis*, Wagl., *Isis*, p. 1232. Type, *Ibis oxyerca*, Spix.
- *1832. *Phimosus*, Wagl., *Isis*, p. 1233. Type, *Ibis infusca*, Licht.
1842. *Threskiornis*, Gray, *App. List G. of B.*, p. 13. Type, *Tantalus æthiopicus*, Lath.
[1844. *Pseudibis*, Hodgs.]
- *1851. *Comatibis*, Reich., *Nor. Syn. Av.*, figg. 2383, 2384. Type, *Ibis comata*, Rüpp.
- *1851. *Nipponia*, Reich., *ibid.*, fig. 538. Type, *Ibis nippon*, Temm.
- *1851. *Molybdophanes*, Reich., *ibid.*, fig. 524. Type, *Ibis cærulescens*, Vieill.
- *1851. *Lophotibis*, Reich., *ibid.*, fig. 637. Type, *Tantalus cristatus*, Bodd.
- *1851. *Inocotis*, Reich., *ibid.*, fig. 533. Type, *Ibis papillosa*, Temm.
- *1851. *Carphibis*, Reich., *ibid.*, figg. 1009, 1010. Type, *Ibis spinicollis*, Jam.
1851. *Guara*, Reich., *ibid.*, figg. 525, 526, 527. Type, *Tantalus ruber*, L.
1851. *Leucibis*, Reich., *ibid.*, figg. 2385, 2825, 2826. Type, *Tantalus albus*, L.
- *1851. *Bostrychia*, Reich., *ibid.*, figg. 1011. Type, *Ibis carunculata*, Rüpp.
- *1855. *Hagedashia*, Bp., *Consp. Av.*, p. 152. Type, *Tantalus hagedash*, Lath.
- *1877. *Graptocephalus*, Elliot, *P. Z. S.*, p. 483. Type, *Geronticus davisoni*, Hume.
- *1877. *Thaumatibis*, Elliot, *P. Z. S.*, p. 483. Type, *Ibis gigantea*, Oustalet.
- *1877. *Lampribis*, Elliot, *P. Z. S.*, p. 483. Type, *Ibis olivacea*, Du Bus.

His species are as follows:—

1. *Ibis æthiopicus*.
2. *Ibis bernieri*.
3. *Ibis melanocephala*.
4. *Thaumatibis gigantea*.
5. *Graptocephalus davisoni*.
6. *Carphibis spinicollis*.
7. *Inocotis papillosus*.
8. *Comatibis comata*.
9. *Geronticus calvus*.
10. *Phimosus infuscatus*.
11. *Nipponia nippon*.
12. *Cercibis oxyerca*.
13. *Theristicus caudatus*.
14. *Lophotibis cristata*.
15. *Hagedashia chalcoptera*.
16. *Bostrychia carunculata*.
17. *Harpiprion cayensis*.
18. *Molybdophanes cærulescens*.
19. *Falcinellus igneus*.
20. *F. guarauna*.
21. *F. ridgwayi*.
22. *F. thalassinus*, Ridgway [N. B.—This is the young of No. 20].
23. *Lampribis olivacea* (plate li).
24. *Eudocimus albus*.
25. *E. ruber*.

Several writers hastened to show that "*Falcinellus* Bechst." is not available, and that the name *Plegadis* Kaup, 1829, must be used for this genus.

1877. GARROD, A. H. Note on an Anatomical Peculiarity in certain Storks [Ciconiidae]. < *P. Z. S.*, Nov. 6, 1877, pp. 711-712.

Storks differ in the ambiens muscle.

1877. LENTE, W. K. A visit to a nesting place [Lake Harney, Florida] of the wood ibis—*Tantalus Loculator*. < *Forest and Stream*, Nov. 29, 1877, p. 327.
1877. REICHENOW, A. Systematische Uebersicht der Schreitvögel (Gressores), einer natürlichen, die Ibiidae, Ciconiidae, Phoenicopteridae, Scopidae, Balaenicipidae und Ardeidae umfassenden Ordnung. < *J. f. O.*, Apr., 1877, pp. 113-171; July, 1877, pp. 225-277.
Dieses Buch befindet sich beim Buchbinder und ist mir deshalb nicht zugänglich.
1877. SCLATER, P. L., and FORBES, A. W. On the Nesting of the Spoonbill [*Platalea leucorodia*] in Holland. < *Ibis*, 4th ser., i, Oct., 1877, pp. 412-416.
Interesting narrative of observations.
1877. [SCLATER, P. L., and SALVIN, O.] Oustalet on new Species of Ibis [gigantea, harmardi]. < *Ibis*, 4th ser., i, Oct., 1877, pp. 456, 457.
Notices of papers in *Bull. Soc. Philom.*, 7^e sér., i, 1877, pp. 25-30.
1878. ALLEN, J. A. The Glossy Ibis [*Ibis falcinellus*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 152.
1878. ALLEN, J. A. Elliot's Review of the Ibiidinae, or Ibises. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 182.
Short notice of the paper in *P. Z. S.*, 1877, pp. 477-510.
1878. CORY, C. B. The Glossy Ibis [*Ibis falcinellus*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 152.
Note by J. A. Allen on the occurrence of two other individuals on Cape Cod at about the same time. Foot-note by the same on the correct generic name of the bird, which is stated to be *Plegadis*, Kaup. (*Ibis*, 4th ser., ii, Jan., 1878, p. 112.)
1878. GARROD, A. H. On the Trachea of *Tantalus loculator* and of *Vanellus cayennensis*. < *P. Z. S.*, May 21, 1878, pp. 625-629, figg. 1, 2.
The parts named of each of these species are figured on the woodcuts in the text.
1878. RIDGWAY, R. Synopsis of the American Sub-families and Genera of Ciconiidae. < *Bull. U. S. Geol. and Geogr. Surv. Terr.*, iv, No. 1, Feb. 5, 1878, pp. 248-251, fig.
A subhead of a much more extensive paper, "Studies of the American Herodiones," &c., *ibid.*, pp. 219-251. The American Ciconiidae are divided into two subfamilies, *Ciconiinae* and *Tantaliinae*, of the former of which are given two genera, *Mycteria* and *Euxenura*, g. n., p. 249 (= *Dissoura* Cab., 1850). For the full paper, see under ARDEIDÆ.
1878. SCLATER, P. L. Note on the Breeding of the Sacred Ibis [æthiopica] in the Zoological Society's Gardens. < *Ibis*, 4th ser., ii, Oct., 1878, pp. 449-451, pl. xii.
The plate shows the young and the egg.
1878. SCLATER, [P. L.] [Remarks on living examples of *Ciconia maguari* and *C. episcopus*.] < *P. Z. S.*, June 4, 1878, p. 633.
On the validity of the genus *Euxenura* Ridgway, showing that Cabanis had proposed *Dissoura* in 1850 for the same group, and calling the species *Dissoura maguari* and *D. episcopus*.
1878. [SCLATER, P. L., and SALVIN, O.] D. G. Elliot and A. Reichenow on the Ibises [Ibiidinae]. < *Ibis*, 4th ser., ii, Jan., 1878, pp. 111-113.
Review of Elliot, *P. Z. S.*, 1877, p. 477, *seqq.*, and Reichenow, *J. f. O.*, 1877, pp. 113, *seqq.* The reviewers criticize the classification and nomenclature of both authors very freely. As regards the much be-named Glossy Ibis, they show that there is no such genus as *Falcinellus* Bechst., so often employed; and that *Plegadis* Kaup, 1829, seems available for *Ibis falcinellus*, other synonyms of which are *Tringa! autumnalis* of Hasselq., *Scotopax! rufa* of Scopoli, and *Numenius! igneus* of Gm., 1771 and 1778.
1879. COUES, E. Letters on Ornithology. No. 24.—The Wood Ibis. [*Tantalus loculator*.] < *The Chicago Field*, June 14, 1879.
From the "American Sportsman", iv, 1854, p. 225, q. v.
1879. MERRILL, J. C. A Nesting Place of the White-faced Glossy Ibis (*Plegadis guarauna*). < *The Oölogist*, v, No. 2, Aug., 1879, p. 11.
Quoted from p. 163 of his paper in *Proc. U. S. Nat. Mus.*, i, 1878, pp. 118-173.

Ardeidæ.

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Non nobis obviæ: titulus e Caro et Engelmanno.
1683. MURALT, J. DE. Ardeæ [Botauri] stellaris examinatio. < *Ephem. Acad. Nat. Cur.*, Dec. ii, Cent. Ann. ii, 1683, (1693), pp. 60, 61.
Haud mihi obvia: titulus e Caro et Engelmanno.
1727. VALENTINI, M. B. Ardeæ [Botauri] stellaris anatome. < *Act. Acad. Cæs. Leop. Car. Nat. Cur.*, i, 1727, pp. 283, 284.
Non mihi obviæ: titulus e Caro et Engelmanno.
1776. OTTO, B. C. Anmärkningar om Rödrommen, Ardea Stellaris. < *Physiogr. Sällsk. Handl.*, i, 1776, pp. 305-310.
Not seen.
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This is the original date: there is a reissue of the same *Verhandlungen* much later (1824); I have only seen the latter.
1782. MATTUSCHKA, H. G., *Graf von*. Ueber die Fischreiher [Ardea cinerea]. < *Schrift. d. Berlin. Ges. nat. Fr.*, iii, 1782, pp. 411-414.
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1792. BOSC, L. Ardea gularis. < *Actes de la Soc. d'Hist. Nat. de Paris*, i, pt. i, 1792, p. 4, pl. 2.
Pas vue moi-même.
1804. AFZELIUS, A. Ardea atricapilla En ny Fogel ifrån Sierra Leone, dår funnen och beskrifven, . . . < *Kongl. Vetens. Acad. Nya Handl.*, xxv, 1804, pp. 264-268.
1824. [WURMB, F. VAN.] De Kleine witte Reiger van het eiland Java. < *Verhandl. Batav. Genootsch. Kunsb. en Wetens.*, Tweede Druk, iii, 1824, pp. 239-242.
Orig. ed. of these *Verhandlungen*, this vol., 1781.
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Botaurus lentiginosus—or *Nycticorax gardeni*? Note of a supposed power of emitting light from its breast.
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1829. "R. A." Feet and Legs of the common Heron [Ardea cinerea]. < *Loudon's Mag. Nat. Hist.*, ii, 1829, p. 206.
With note on the probably luminous powder-down feathers of the breast, and their purpose.
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Funken aus Reiherfedern.
1831. YARRELL, W. [On the Identity of Ardea gardeni and A. nycticorax.] < *P. Z. S.*, i, 1831, p. 27.
1833. CHALMERS, M. Acts of the Heron and of the Peahen. < *Loudon's Mag. Nat. Hist.*, vi, 1833, pp. 515, 516.
1834. "J. G." A common Heron [Ardea cinerea]. < *Loudon's Mag. Nat. Hist.*, vii, 1834, pp. 513, 514.
On disgorging of the contents of the stomach when disturbed.
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1836. CHRISTY, W., JR. Egret [*Ardea garzetta*, in Britain]. < *London's Mag. Nat. Hist.*, ix, 1836, p. 647.
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1837. DU BUS DE GHISIGNIES, V. B. Description d'une nouvelle espèce de Héron [*Ardea calceolata*]. < *Bull. Acad. Brux.*, iv, 1837, pp. 39-41, pl. (*L'Institut*, v, No. 217, 1837, pp. 227, 228.)
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1839. STRICKLAND, A. On the *Ardea Alba* [as a British Bird]. < *Rep. Brit. Assoc. Adv. Sci. for 1838*, vii, 1839, (*Misc. Comm.*), pp. 106, 107.
1842. LANDBE[G]K, C. L. Die Reiher-Insel bey Adony in Ungarn. < *Oken's Isis*, Bd. xxxv, 1842, pp. 267-283.
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1843. GOULD, J. [Description of *Ardea rectirostris*, sp. n.] < *P. Z. S.*, xi, 1843, p. 22.
1843. GREENWOOD, A. Note on the occurrence of the Squacco Heron [*Buphus comatus*] near Penzance. < *Zoologist*, i, 1843, pp. 143, 144.
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Instinctive knowledge of refraction, enabling them to spear their prey in the water.
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1848. BOND, F. Occurrence of the young of the Little Bittern [*Ardetta minuta*] near Enfield. < *Zoologist*, vi, 1848, p. 1969.
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1848. GOULD, J. Description of a new Heron [*Ardea leucophæa*]. < *P. Z. S.*, xvi, 1848, pp. 58, 59.
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1849. BIRD, W. F. W. Occurrence of the Common Bittern (*Ardea* [*Botaurus*] *stellaris*) in Norfolk. < *Zoologist*, vii, 1849, p. 2421.
1849. BULTEEL, C. J. C. Occurrence of eight Night Herons (*Nycticorax ardeola*) in Devonshire. < *Zoologist*, vii, 1849, p. 2528.
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The cover-title is different: A | Description | of | the character | of | the Whistling Swan, | and of | the peculiar structure | of its | Trachea. | — |
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1876. ANON. [Attachment of a domestic Goose to its keeper.] < *Rod and Gun*, viii, Apr. 1, 1876, p. 7.
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1876. [INGERSOLL, E.] Hybrid Duck[s in Mt. Auburn cemetery]. < *Forest and Stream*, v, Jan. 6, 1876, p. 339. Also p. 388.
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1876. [PRINCE, H. R.] Smew [*Mergellus albellus*] near Old Malton. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4847.
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Pl. 67, *S. melanonota*; pl. 68, *S. carunculata*.
1876. SMITH, GREENE. Brant [*Bernicla brenta*]. < *Rod and Gun*, vii, Feb. 12, 1876, p. 312.
Replies to criticisms of his statement (p. 185, Dec. 18, 1875) that *Bernicla brenta* was never found inland, confessing his mistake. Also comments and inquiries upon the different forms of American *Anseres*.
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1876. STANSELL, F. Common Scoter [*Cedemia nigra*] at Minthead. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.
1876. STANSELL, F. Female Smew [*Mergellus albellus*] near Curry Rivel. < *Zoologist*, 2d ser., xi, May, 1876, p. 4930.
1876. STEVENSON, H. [Letter on the rusty coloring matter of the heads of Swans.] < *Ibis*, 3d ser., vi, Apr., 1876, pp. 276, 277.
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1853. BRUCH, [P.] Monographische Uebersicht der Gattung *Larus* Lin. < *J. f. O.*, i, 1853, pp. 96-103, pll. ii, iii.
Sketch of the subject; characters and habitat of 62 spp. *Larinæ*, under 12 genn., and of 5 spp. *Lestrudinæ* under 3 genn. The large folded plates, uncolored, illustrate the heads of 24 spp. *Larinæ* of natural size. The article has been spoken of with some reserve, and is generally considered to have been superseded by the author's subsequent paper on the same subject, *op. cit.*, 1855, p. 273, *seq.* (See what is said at 1854, BONAPARTE, C. L.)
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Sterna pikei, p. 3.
1853. LENK, Dr. — Eine briefliche Mittheilung des Hrn. Dr. Lenk. < *Verh. zool.-bot. Ver. Wien*, iii, am 7 Dec., 1853, pp. 195-197.
Ueber *Larus capistratus* in Böhmen.
1853. LOWENHJELM, C. G. *Myoxus avellanarius*; *Sterna arctica*. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1852, 1853*, pp. 234, 235.
Sterna arctica häckar i mangd vid en insjö, 2 mil norr om Gellivare.
1853. NEWTON, A. Correction of a previous Error [*Zool.*, p. 2825] respecting the Masked Gull, (*Larus capistratus*). < *Zoologist*, xi, 1853, p. 4074.
1854. BONAPARTE, C. L. Notes sur les Larides < *Naumannia*, iv, 1854, pp. 209-219.
La famille entière des *Larides* (c'est à dire les subfam. *Lestrudinæ* et *Larinæ*) ayant été passée en revue synoptique, l'auteur s'occupe d'une critique de M. Bruch (*J. f. O.*, 1853, pp. 96-108). *Lestrudinæ*, 4 genn., 4 spp. (avec (5) *Cimoliornis diomedicus* Owen, sp. foss.); *Larinæ*, 18 genn., 73 spp. À cause des rapports qui semblent d'avoir existés entre l'auteur et M. Bruch, il devient difficile d'indiquer avec précision les noms qui sont véritablement nouveaux; surtout lorsqu'on reconnaît le fait que ces auteurs tous deux ont presque toujours manqué de donner les renseignements nécessaires. Les genres qui suivant semblent être nouvellement proposés: *Procellarus* sive *Epitelarus*, p. 213; *Creagrus*, *Atricilla*, p. 214; *Melagavia*, p. 217; *Cirrocephalus*, p. 218.—*Atricilla catesbaei*, *minor*, *macroptera*, p. 212; *Procellarus neglectus*, p. 213; *Larus verreauxi*, p. 215; *Gavia kamschatchensis*, p. 215; *G. bruchii*, p. 216; *Gelastes corallinus*, p. 216; *Rissa kotzebui*, p. 217, spp. nn.
It may be remarked, in fine, of this article, that it is worse than worthless, being pernicious. It is ostensibly a review of Bruch's paper of 1853; this being itself a very incompetent performance, confusion is here worse confounded by Bonaparte's criticisms and "rectifications." It seems to have had, among other undesirable results, the effect of setting Bruch at the business anew, as appears by the latter's paper of 1855. The two authors together made as complete a muddle as can be found in ornithology; woe to the confiding student who trusts either of them—*crede experto!* Bruch and Bonaparte are Scylla and Charybdis of Gull literature.
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Bull. v, 4—31

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1854. BRIGGS, J. J. Occurrence of the Pomarine Skua (Catarractes [Stercorarius] pomarinus) in Derbyshire. < *Zoologist*, xii, 1854, p. 4513.
1854. GLOGER, C. W. L. Audubon als der erste Bekenner der Ansicht von „Umfärbung ohne Mauser.“ < *J. f. O.*, ii, 1854, pp. 328-334.
The author's reading of Audubon furnished him with frequent occasion for writing: in this instance, he translates and comments upon what that writer has to say respecting the changes of plumage in *Laridae*.
1854. GLOGER, C. W. L. Das Abändern der weissen Zeichnung an den Schwingen der Möven [Laridæ]. < *J. f. O.*, ii, 1854, p. 383.
Translation from Audubon on this subject, in the case of *L. argentatus*.
1854. GOLOWATSCHOW, A. Larus columbinus. (Mouette Colombine.) Espèce nouvelle, habitant les parages de la mer Caspienne. < *Bull. Soc. Imp. Nat. Moscou*, xxvii, pt. i, 1854, pp. 435-441, pl. iv.
1854. HARDY, J. Description d'une espèce inédite de Lestris [spinicandus] de l'Océan méridional. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 657, 658.
1854. KING, E. L. Occurrence of Richardson's Skua (Lestris Richardsonii) at Lynn. < *Zoologist*, xii, 1854, pp. 4512, 4513.
1854. LAWRENCE, G. N. Description of a New Species of Bird of the Genus Larus [californicus] Linn. < *Ann. Lyc. Nat. Hist. N. Y.*, vi, 1854, pp. 79, 80.
1855. BONAPARTE, C. L. Notes sur les Larides. < *Rev. Mag. Zool.*, vii, 1855, pp. 12-21.
Not seen.
1855. BRUCH, [P.] Revision der Gattung Larus Lin. < *J. f. O.*, iii, 1855, pp. 273-293, pll. iv, v.
Cf. *op. cit.*, 1853, pp. 96-108. 65 spp. The present article retraces the ground of the first one; the discrepancies between the two are numerous and irreconcilable, leaving both open to suspicion. In fact, having ourselves suffered for our indiscretion in venturing upon these papers of Bruch's, as well as those of Bonaparte's on the same subject, it is a duty we owe to posterity, and one we willingly here discharge, to warn all persons off these premises.
1855. DEGLAND, C. D. [Fang einer für Frankreich, wenn nicht überhaupt für Europa, neuen Seeschwalbe (Sterna fuliginosa).] < *Naumannia*, v, 1855, p. 412.
„*S. fuliginosa* wurde bekanntlich vor mehren Jahren an der Elbe, gleichfalls lebendig gefangen.“—Baldamus.
1855. GLOGER, C. W. L. Auch Möven werfen lebende Schalthiere aus der Höhe auf kahle Felsen [u. s. w.]. < *J. f. O.*, iii, 1855, p. 447.
Quotations from Audubon on the habits of *Larus argentatus*.
1855. GLOGER, C. W. L. Auch die grösseren Möven brüten zum Theil schon im noch unvollendeten Kleide. < *J. f. O.*, iii, 1855, pp. 521, 522.
Quotation from Audubon, again, respecting *Larus argentatus*. It would have simplified matters, if the writer had once copied from Audubon all he desired on the subject, and had done with it.
1855. HUSSEY, A. Occurrence of Richardson's Skua (Lestris Richardsonii) in Sussex. < *Zoologist*, xiii, 1855, p. 4560.
1855. MURRAY, A. [Extract of letter from W. Jardine, on capture of Pagophila eburnea in Caithness-shire.] < *Edinb. New Philos. Journ.*, new ser., i, 1855, p. 365.
1855. POWYS, T. L. Occurrence of Buonaparte's Gull (Larus Buonapartii) on the Irish Coast. < *Zoologist*, xiii, 1855, p. 4762.
1855. POWYS, T. L. Occurrence of Buonaparte's Gull (Larus Buonapartii) on the Irish Coast. < *Zoologist*, xiii, 1855, pp. 409, 4810.
1855. ROBERTS, A. Occurrence of the Lesser White-winged Gull (Larus islandicus) near Scarborough. < *Zoologist*, xiii, 1855, p. 4560.
1855. WATERS, [J. J.] On the Habits and on the Varieties of some of the [Irish] Laridæ. < *Nat. Hist. Rev.*, ii, 1855, pp. 100-103.

1856. [BILLINGS, E.] On a Sea-Gull [*Larus argentatus*] shot at Ottawa. < *Canad. Nat. and Geol.*, i, 1856, pp. 159, 160.
1856. DESSAUVILLE, P. A. Notice of the Arctic Skua (*Lestris Parasitica*, Tem.), shot in Skye in the Summer of 1855. < *Edinb. New Philos. Journ.*, iii, 1856, pp. 350, 351.
1856. D'URBAN, W. S. M. Occurrence of the Little Gull [*Larus minutus*] and Common Skua on the Exe. < *Zoologist*, xiv, 1856, p. 5065.
1856. FARRAN, [C.] On the Genus Skua. (*Lestridæ*.) < *Nat. Hist. Rev.*, (*Pr. Soc.*), iii, 1856, pp. 48-51.
Characters and habits of several species.
1857. BRUCH, [P.] Nachtrag zur Revision der Gattung Larus. < *J. f. O.*, v, 1857, pp. 23-25.
Cf. *J. f. O.*, 1853, pp. 96-108; 1855, pp. 273-293. Treats farther of 3 or 4 species.
1857. BRUCH, [P.] Zweiter Nachtrag zur Revision der Gattung Larus. < *J. f. O.*, v, 1857, pp. 113, 114, pl. i, f. 1-3.
Cf. *J. f. O.*, 1853, pp. 96-108; 1855, pp. 273-293; 1857, pp. 23-25. *L. poiocephalus*, *L. lambruschini*, *L. fuscescens*.
1857. RODD, E. H. Note on the British Skuas, genus *Lestris*. < *Zoologist*, xv, 1857, p. 5596.
1857. SAVILLE, S. P. Occurrence of rare Sea Birds [*Laridæ*, 4 spp.] near Cambridge. < *Zoologist*, xv, 1857, p. 5834.
1858. BLASIUS, J. H. Ein Wort über die Möven der Zoographia Rosso-asiatica von Pallas. < *Naumannia*, viii, 1858, pp. 316-320.
Demnach würden sich die von Pallas in der Zoographia aufgeführten Namen und Beschreibungen auf folgende Arten beziehen: 1. *Larus marinus* L. 2. *L. argentatus* Brünn. = *L. cachinnans* Pall. 3. *L. glaucus* Brünn. *L. canus* L. = *L. niveus* Pall. *L. tridactylus* L. = *LL. rissa*, *gavia*, *canus*, *torquatus* Pall. 6. *L. ichthyaëtus* Pall. 7. *L. ridibundus* L. = *LL. atricilla*, *cinerarius*, *nevius* Pall. 8. *L. minutus* Pall.
1858. LAWRENCE, G. N. Descriptions of two New Species of Gulls in the Museum of the Smithsonian Institute at Washington. < *Ann. Lyc. Nat. Hist. New York*, vi, 1858, pp. 264-266. (Read June 29, 1857.)
Larus suckleyi, p. 264; *Rissa septentrionalis*, p. 266. [Both = *L. brachyrhynchus* Rich.]
1858. MATHEWS, M. A. Occurrence of the Little Gull [*Larus minutus*] near Barnstable. < *Zoologist*, xvi, 1858, pp. 6245, 6246.
1858. RODD, E. H. Occurrence of the Pomarine Skua (*Lestris pomarina* [*Stercorarius pomatorhinus*]) at the Land's End. < *Zoologist*, xvi, 1858, p. 6267.
1858. STEVENSON, H. Appearance of Skuas off the Coast of Yarmouth. < *Zoologist*, xvi, 1858, pp. 6309, 6310.
1859. ANON. Pomarine Skua (*Lestris pomarina* [*Stercorarius pomatorhinus*]) near Brighton. < *Zoologist*, xvii, 1859, p. 6331.
1859. ANON. Occurrence of Sabine's Gull (*Larus* [*Xema*] *Sabini*) at Brighton. < *Zoologist*, xvii, 1859, p. 6331.
1859. BARTLETT, A. D. Remarks on the Habits of a Herring Gull (*Larus argentatus*). < *P. Z. S.*, xxvii, 1859, pp. 467, 468.
Voluntary semidomestication.
1859. DUNN, R. Occurrence of the Adult Glaucous Gull [*Larus glaucus*] in Orkney. < *Zoologist*, xvii, 1859, p. 6448.
1859. DUTTON, J. Occurrence of the Pomarine Skua (*Lestris pomarina* [*Stercorarius pomatorhinus*]) at Birthing Gap. < *Zoologist*, xvii, 1859, pp. 6378, 6379.
1859. HOMEYER, E. [F.] v. Ueber Larus Heinei. < *J. f. O.*, vii, 1859, pp. 155, 156.
Especially on its relationships with *L. canus*.
1859. ROSS, F. W. L. Notice of a Black-headed Gull [*Larus ichthyaëtus*] found recently in Devonshire. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, p. 467.

1860. ALBRECHT, —. Verhalten einer aufgezogenen Möve [*Larus argentatus*]; längere Aufbewahrung frischer Eier. < *J. f. O.*, viii, 1860, pp. 367-369.
Translated from Bartlett, *Ann. Mag. N. H.*, No. 30, June, 1860.
1860. BARTLETT, A. D. Remarks on the Habits of a Herring Gull (*Larus argentatus*). < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, pp. 498, 499.
From *P. Z. S.*, Nov. 22, 1859.
1860. DUNN, J. Occurrence of the Glaucous Gull [*Larus glaucus*] in Orkney. < *Zoologist*, xviii, 1860, p. 6813.
1860. DUTTON, J. Occurrence of Richardson's Skua (*Lestris richardsonii*) at Eastbourne. < *Zoologist*, xviii, 1860, p. 7106.
1860. GOULD, J. Description of a new Species of Gull (*Gavia roseiventris*) from the Falkland Islands. < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, p. 232.
From *P. Z. S.*, Feb. 8, 1859, p. 97; from a paper of wider scope.
1860. GURNEY, J. H. Note on the Carnivorous propensities of the Blackheaded Gull (*Larus ridibundus*). < *Zoologist*, xviii, 1860, pp. 7106, 7107.
1860. JÄCKEL, J. *Sterna leucoptera* Meissn. und Schinz in Bayern brütend. < *J. f. O.*, viii, 1860, pp. 300, 301.
1860. LEADBEATER, —. [Exhibition of *Lestris cephus* from Ireland.] < *P. Z. S.*, xxviii, 1860, p. 322.
1860. MORE, A. G. The Arctic Tern (*Sterna arctica*) nesting on Fresh Water. < *Zoologist*, xviii, 1860, pp. 6891, 6892.
1860. NICHOLLS, H., JR. Occurrence of Richardson's Skua [*Stercorarius parasiticus*] at Kingsbridge. < *Zoologist*, xviii, 1860, p. 7106.
1860. QUISTORP, [G.] *Larus leucopterus* in Pommern beobachtet. < *J. f. O.*, viii, 1860, p. 369.
1860. ROSS, F. W. L. Occurrence of *Larus ichthyætus* [sic], a new British Gull, in Devonshire. < *Zoologist*, xviii, 1860, pp. 6860, 6861.
1860. SAVILLE, S. P. A Kittiwake Gull (*Larus* [*Rissa*] *tridactylus*) driven Inland [Cambridge] by the late Terrific Gales. < *Zoologist*, xviii, 1860, p. 6982.
1860. SAVILLE, S. P. Common Tern (*Sterna hirundo*) shot during the late gale [in Northamptonshire]. < *Zoologist*, xviii, 1860, p. 7106.
1861. TREMBLY, J. B. Ornithological Inquiries. < *Field Notes*, i, No. 17, Apr. 27, 1861, p. 129.
Respecting occurrence of certain *Laridæ* in Ohio.
1861. W[HEATON], J. M. The Gulls. < *Field Notes*, i, No. 20, May 18, 1861, p. 153.
Alleged *Larus "occidentalis"* in Ohio is not that species.
1862. BLAKE-KNOX, H. Occurrence of Sabine's Gull [*Xema sabini*] in Dublin Bay. < *Zoologist*, xx, 1862, pp. 8093, 8094.
1862. BOND, T. The Little Gull [*Larus minutus*]. < *Zoologist*, xx, 1862, pp. 7939, 7940.
1862. COUES, E. Revision of the Gulls [*Larinæ*] of North America; based upon specimens in the Museum of the Smithsonian Institution. < *Proc. Acad. Nat. Sci. Phila.*, xiv, 1862, pp. 291-312.
Stated to be "an abstract of a more extended Monograph on the Gulls on North America, prepared for publication in a Government Report." The "Monograph" here in mention appeared in 1874, as a part of the "Birds of the Northwest" (pp. 589-717), q. v.
The present paper divides the *Laridæ* into 4 subfamilies, *Lestridinæ*, *Larinæ*, *Sterninæ* and *Rhynchopinæ*, and gives an outline of the North American genera and species of the second of these, which is divided into the following 8 genera: *Larus*, *Blasipus*, *Rissa*, *Pagophila*; and *Chroicocephalus*, *Rhodostethia*, *Xema*, *Creagrus*. The species recognized are as follow:—
1, *Larus hutchinsii* (later determined to be the young of *L. glaucus*). 2, *L. glaucus*. 3, *L. leucopterus*. 4, *L. glaucescens*. 5, *L. chalconotus* (later referred to *glaucescens*). 6, *L. marinus*. 7, *L. occidentalis*. 8, *L. smithsonianus*, sp. n., p. 296, being the *L. argentatus* of American

1862. COUES, E.—Continued.

writers; later reduced to a race of the latter. 9, *Larus californicus*. 10, *L. delawarensis*. 11, *L. brachyrhynchus* Reib., being the N. Am. representative of *L. canus*; to it are referred *L. suckleyi* and *Rissa septentrioalis* of Lawrence. 12, *Blasippus heermanni*. 13, *Rissa tridactyla*. 14, *R. kotzebui*, the N. Pacific analogue of *R. tridactyla*. 15, *R. brachyrhynchos* Gould, or *brevirostris* Brandt. 16, *Pagophila eburnea*. 17, *P. brachytarsus* (since admitted to be same as 16). 18, *Chroicocephalus atricilla*. 19, *C. cucullatus* (afterward referred to 20). 20, *C. franklini*. 21, *C. philadelphia*. 22, *C. minutus* (given as questionably North American). 23, *Rhodostethia rosea*. 24, *Xema sabini*. 25, *Creagrus furcatus*.

Taking from these 25 species the following 5, viz.: *L. hutchinsii*, *L. chalconotus*, *Rissa kotzebui*, *Pagophila brachytarsus*, *Chroicocephalus cucullatus*, as not valid, and *C. minutus* as extralimital, we have a residuum of 19 good species, most of which are carefully described in this paper, with brief synonymy, and extended criticism. The paper is handicapped by the author's reliance to greater extent than the facts warrant upon Bonaparte's and Bruch's misguiding and perplexing lead. It is otherwise a very fair exhibit of the knowledge we possessed at the time the paper was written.

Cf. *Ibis*, 1863, pp. 108, 109.

1862. COUES, E. A Review of the Terns [Sternina] of North America. < *Proc. Acad. Nat. Sci. Phila.*, xiv, 1862, pp. 535-559.

The genera and species critically reviewed in this paper are the following:—

1, *Gelochelidon anglica*. 2, *Thalasseus caspius*; the N. Am. bird tentatively named *Th. imperator*, sp. n., p. 538. 3, *T. regius*. 4, *T. elegans*. 5, *T. aculeatus* (afterward reunited with *T. cantianus*). 6, *Sterna trudeaui*. 7, *S. "havelli"*, considered as the winter plumage of *S. forsteri*. 8, *S. forsteri*. 9, *S. hirundo*. 10, *S. macroura*. 11, *S. pikei* Lawr. 12, *S. paradisica*. 13, *S. antillarum*. 14, *Hydrochelidon fissipes*. 15, *Haliplana fuliginosa*. 16, *Anous stolidus*, with *A. frater*, sp. n. prob., p. 558. Neither of the two new names has proven to represent much value. The identification of *S. havelli*, here first made, has been confirmed. *S. pikei* is not a good species. *T. aculeatus* is not distinct from *T. cantianus*. The other species hold, though some of them require other names, and several species have since been added to the North American Fauna. See same author at 1874, *Birds of the Northwest*.

Cf. *Ibis*, 1863, pp. 471, 472.

1862. GATCOMBE, J. Occurrence of the Little Gull [*Larus minutus*] at Plymouth. < *Zoologist*, xx, 1862, p. 7940.1862. GATCOMBE, J. Occurrence of the Iceland Gull [*Larus leucopterus*] at Plymouth. < *Zoologist*, xx, 1862, p. 8036.1862. HAMMOND, W. Occurrence of the Little Gull [*Larus minutus*] in Kent. < *Zoologist*, xx, 1862, p. 8003.1862. PHILIPPI, R. A., and LANDBECK, L. Descripción de una nueva golondrina de mar [*Sterna atrofasciata*]. < *Anal. Univ. Chile*, xxi, Nov., 1862, p. 440.

1862. PREYER, W., and ZIRKEL, F. Reise nach Island im Sommer 1860. Mit wissenschaftlichen Anhängen. Leipzig. Brockhaus. 1862. 8vo.

Anhang C. Systematische Uebersicht der Rückgratthiere Islands. Von Wm. Preyer. pp. 377-434. Gives lists of the species, with notes on the eggs of many. *Lestris thuliaca*, Preyer, p. 418, sp. n.

1862. RODD, E. H. Occurrence of the Common Skua [*Lestris catarractes*] near the Land's End. < *Zoologist*, xx, 1862, p. 8237.1862. ROGERS, H. Occurrence of the Pomarine Skua [*Stercorarius pomatorhinus*] in the Isle of Wight. < *Zoologist*, xx, 1862, p. 8288.1862. SAXBY, H. L. Variety of the Common Gull [*Larus canus*]. < *Zoologist*, xx, 1862, p. 7883.1862. WILSON, W. Occurrence of the Little Gull [*Larus minutus*] and Little Auk [*Alca alle*] near Lynn. < *Zoologist*, xx, 1862, p. 7939.1863. ANON. Die Mövenkolonie auf Rottum. < *Aus der Natur*, xxiii, oder n. F., xi, Jan. März, 1863, pp. ———. Not seen.1863. BLAKE-KNOX, H. Skuas [*Stercorarius skua*] on the Coast of Dublin. < *Zoologist*, xxi, 1863, pp. 8332, 8333.

1863. CLERMONT, Lord. The Arctic Skua [*Stercorarius parasiticus*] feeding on Worms near Newry. < *Zoologist*, xxi, 1863, p. 8692.
1863. COUES, E. On the *Lestris richardsoni* of Swainson; with a Critical Review of the Subfamily Lestridinae. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 121-138.
- From his discussion of the claims of *Lestris richardsoni* to be considered a good species, the author passes to review the entire subfamily, recognizing the following genera and species:—
- I. BUPHAGUS, Moebr. 1, *B. skua* (Brünn.). 2, *B. antarcticus* (Less.).
- II. STERCORARIUS, Briss. 3, *S. pomarinus* (Temm.) (lege *pomatorhinus*). 4, *S. parasiticus* Brünn. 5, *S. richardsoni* (Sw.). 6, *S. hardyi* (Ip.). 7, *S. spinicauda* (Ip.). 8, *S. buffoni* (Boie).
- The nomenclature of this paper is eccentric, the author having apparently imbibed some untenable views of G. R. Gray's on this subject. *S. richardsoni* has not proved valid. The four unquestionable Jägers of the Northern Hemisphere are carefully distinguished and adequately described, with copious synonymy. See same author at 1874, *Birds of the Northwest*.
- Cf. *Ibis*, 1864, pp. 127, 128.
1863. COUES, E. [On the specific validity of *Larus smithsonianus*.] < *Ibis*, v, 1863, p. 367.
1863. DUNN, J. H. Pomarine Skuas [*Stercorarius pomatorhinus*] in the Orkneys. < *Zoologist*, xxi, 1863, p. 8332.
1863. DUTTON, J. The Pomarine Skua [*Stercorarius pomatorhinus*] off Beachy Head. < *Zoologist*, xxi, 1863, p. 8333.
1863. MATHEWS, M. A. Sabine's Gull (*Larus* [*Xema*] *Sabini*) in Devonshire. < *Zoologist*, xxi, 1863, p. 8448.
1863. MATHEWS, M. A. Buffon's Skua (*Lestris parasiticus*) near Wellington. < *Zoologist*, xxi, 1863, p. 8448.
1863. MATHEWS, M. A. The Little Gull [*Larus minutus*] and Sabine's Gull [*Xema sabini*] at Weston-super-Mare. < *Zoologist*, xxi, 1863, p. 8692.
1863. NEWMAN, E. Pomarine Skuas [*Stercorarius pomatorhinus*] on the English Coast. < *Zoologist*, xxi, 1863, p. 8333.
1863. ROGERS, H. The Pomarine Skua [*Stercorarius pomatorhinus*] in the Isle of Wight. < *Zoologist*, xxi, 1863, p. 8332.
1863. SAXBY, H. L. Pomarine Skua (*Lestris pomarinus*) in Shetland. < *Zoologist*, xxi, 1863, p. 8494.
1863. SCHLEGEL, H. Lari < *Mus. Hist. Nat. Pays-Bas*, 4^e livr., août 1863, pp. 1-50.
- This group consists of the genera *Larus* and *Stercorarius* of the author, the Terns and Skimmers not being here treated.
- L. ichthyaetus minor*, subsp. n., p. 34.
1863. STEVENSON, H. Sandwich Tern (*Sterna Boysii* [*cantiaca*]) in Norfolk. < *Zoologist*, xxi, 1863, p. 8332.
1863. YOUNG, E. Richardson's Skua [*Stercorarius richardsoni*] in Kent. < *Zoologist*, xxi, 1863, p. 8726.
1864. BOULTON, W. W. Sandwich Tern [*Sterna cantiaca*] Shot at Flamborough. < *Zoologist*, xxii, 1864, p. 9291.
1864. BOULTON, W. W. Little Gulls [*Larus minutus*] off Bridlington Quay. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Black Tern [*Hydrochelidon nigra*] at Filey. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Common Skua [*Stercorarius skua*] at Flamborough Head. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Richardson's Skuas [*Stercorarius richardsoni*] off Bridlington Quay. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Buffon's Skua [*Stercorarius buffoni*] at Flamborough Head. < *Zoologist*, xxii, 1864, p. 9365.

1864. COUES, E. Notes on certain Central-American Laridæ collected by Mr. Osbert Salvin and Mr. F. Godman. < *Ibis*, vi, 1864, pp. 387-393.
15 or 16 spp. Critical notes. First mention of *Haliplana discolor*, n. s., subsequently described. Field notes by O. S.
1864. FISCHER, J. C. H. *Larus rossii* [*Rhodostethia rosea*] paa Færøerne. < *Krøyer's (Schjødte's) Naturhist. Tidssk.*, iii, 1864, pp. 8-10.
Cf. *Ibis*, 1865, pp. 103, 238.
1864. GOULD, J. Description of a New Species of Gull [*Chroicocephalus tibetanus*] from Tibet. < *P. Z. S.*, xxxii, 1864, pp. 54, 55.
1864. GOULD, J. Description of a New Species of Gull from Tibet [*Chroicocephalus tibetanus*]. < *Ann. Mag. Nat. Hist.*, 3d ser., xiv, 1864, pp. 279, 280.
From *P. Z. S.*, Feb. 9, 1864, pp. 54, 55.
1864. SCHLEGEL, H. *Sternae*. < *Mus. Hist. Nat. Pays-Bas*, 5^e livr., 1864, pp. 1-44.
The *Sternae* of this author include the three genera *Sterna* (37 spp.), *Rhynchops* (3 spp.), and *Dromas* (1 sp.), represented by 371 specimens in the Leyden Museum. *Sterna bernsteini*, p. 9. The monograph is dated Sept., 1863, but livr. 5 did not appear until 1864.
1865. ALSTON, E. R. [On J. Sabine's specimen of *Larus rossii* (*Rhodostethia rosea*). Cf. *Ibis*, 1865, p. 238.] < *Ibis*, 2d ser., i, 1865, pp. 547, 548.
1865. ALSTON, E. R. Kittiwake [*Rissa tridactyla*] in Ayrshire in Winter. < *Zoologist*, xxiii, 1865, p. 9470.
1865. BLAKE-KNOX, H. Iceland Gull [*Larus leucopterus*] in Dublin Bay. < *Zoologist*, xxiii, 1865, p. 9470.
1865. GATCOMBE, J. Whiskered Tern [*Hydrochelidon leucoparia*] on the Coast of Devon. < *Zoologist*, xxiii, 1865, p. 9629.
1865. HARTING, J. E. Pure White Gull [species not named]. < *Zoologist*, xxiii, 1865, p. 9784.
1865. MATHEW, M. A. Sabine's Gull [*Xema sabini*] and the Ivory Gull [*Pagophila eburnea*] at Weston-super-Mare. < *Zoologist*, xxiii, 1865, p. 9470.
1865. MATHEW, M. A. Ivory Gull ["*Pagophila eburnea*"] at Weston-super-Mare. < *Zoologist*, xxiii, 1865, p. 9566.
Cf. *Zool.*, p. 9734.
1865. MATHEW, G. F. Carnivorous Propensity of the Great Blackbacked Gull [*Larus marinus*]. < *Zoologist*, xxiii, 1865, p. 9619.
1865. MATHEW, M. A. The Ivory Gull [*Pagophila eburnea*]: Correction of an Error [*Zool.*, p. 9566]. < *Zoologist*, xxiii, 1865, p. 9734.
1865. [NEWTON, A.] [On the known specimens (5 in number) of *Rhodostethia rosea*. Cf. *Fn. Bor.-Am.*, ii, p. xii; *Naturh. Tidssk.*, 3d ser., iii, 1864, p. 8; *J. f. O.*, 1855, p. 278; *Naum.*, 1853, p. 307; *Zool.*, pp. 1694, 1785, 3383.] < *Ibis*, 2d ser., i, 1865, pp. 103, 104; also p. 238; see also p. 547.
1865. RODD, E. H. Bonaparte's Gull [*Larus bonapartii*] in Falmouth Harbour. < *Zoologist*, xxiii, 1865, p. 9501.
1866. ANGUS, W. C. The Black Tern [*Hydrochelidon nigra*] near Aberdeen. < *Zoologist*, 2d ser., i, 1866, pp. 525, 526.
1866. ARMITAGE, G. D. Little Gull [*Larus minutus*] at Bridlington Quay. < *Zoologist*, 2d ser., i, 1866, p. 526.
1866. BLAKE-KNOX, H. A Natural History of the Brownhooded or Blackheaded Gull [*Larus ridibundus*], with an Account of all its Plumages and Transformations from the Nestling to the Adult Bird; also some Questions about the Masked Gull. < *Zoologist*, 2d ser., i, 1866, pp. 361-372.
The third of a series with major title "Letters on Ornithology."

- 1866-67. BLAKE-KNOX, H. A Natural History of the Kittiwake Gull [*Rissa tridactyla*], with an Account of all its Plumages and Transformations, from the Nestling to the Adult Bird. < *Zoologist*, 2d ser., i, 1866, pp. 518-522; ii, 1867, pp. 548-553.
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1866. BLAKE-KNOX, H. Occurrence of Sabine's Gull [*Xema sabinii*] in Dublin Bay. < *Zoologist*, 2d ser., i, 1866, p. 526.
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1866. LEGGE, W. V. Gulls breaking Mussel-shells. < *Zoologist*, 2d ser., i, 1866, p. 190.
1866. MATHEW, M. A. Lesser Tern [*Sterna minuta*] and Black Tern [*Hydrochelidon nigra*] at Weston-super-Mare. < *Zoologist*, 2d ser., i, 1866, p. 272.
1866. RODD, E. H. Sabine's Gull [*Xema sabinii*] in Mount's Bay. < *Zoologist*, 2d ser., i, 1866, p. 501.
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1866. WRIGHT, E. P. [Letter relating to the first discovered egg of *Pagophila eburnea*, brought home by Sir L. McClintock from Polynia Isl., lat. 77° 25'. Cf. *Carte, Journ. Roy. Dublin Soc.*, i, 1856, pp. 57-60, pls. 1, 2.] < *Ibis*, 2d ser., ii, 1866, pp. 216-218.
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1867. BLAKE-KNOX, H. A Natural History of the Common Gull [*Larus canus*], being an Account of its Habits, Food, Nidification, Cry, Flight, &c. < *Zoologist*, 2d ser., ii, 1867, pp. 625-631.
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1867. CLIFTON, Lord. Query respecting Gulls in Kent. < *Zoologist*, 2d ser., ii, 1867, p. 637.
1867. DUTTON, J. Kittiwake [*Rissa tridactyla*] at Eastbourne. < *Zoologist*, 2d ser., ii, 1867, p. 793.
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1867. MORRIS, F. O. Sabine's Gull [*Xema sabinii*] in Cornwall. < *Zoologist*, 2d ser., ii, 1867, p. 710.
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1868. BLAKE-KNOX, H. Part II.—Being an Account of its [*Larus cauus*] Plumages and Transformations from the Nestling to the Adult Bird. < *Zoologist*, 2d ser., iii, 1868, pp. 1075–1088.
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1868. BLAKE-KNOX, H. Sabine's Gull [*Xema sabinii*] in the County Down. < *Zoologist*, 2d ser., iii, 1868, p. 1099.
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1869. CLOGG, S. Little Gull [*Larus minutus*] at Looe. < *Zoologist*, 2d ser., iv, 1869, pp. 1563, 1564.
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It may be observed that the authors' use of *Sterna maxima* Bodd. for what American ornithologists had mostly called *S. regia* Gamb. is doubtless correct; but it has been since shown that their reference of *S. elegans* Gamb. to *S. galericulata* Licht. is erroneous. The paper on the whole is of a high degree of reliability.
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1874. COUES, E. Monograph of the North American Laridæ. < *Birds of the Northwest*, 1874, pp. 589-717.

The author had paid special attention to the subject, and published three preliminary papers in *Pr. Phila. Acad.*, 1862-'3 (*q. v.*), when the ordering of the *Birds of the Northwest* by the Government gave him an opportunity of reviewing the case, and of presenting much additional matter which had long lain in MSS. The subject was reworked for appearance in the present connection, to include full descriptions of the genera and species, full synonymy, extensive criticism, and some considerable anatomical matter. A large number of colored illustrations had been prepared, but it was not found practicable to use them. (N. B. Many of these will probably appear in the last volume of Baird, Brewer, and Ridgway's *History of North American Birds*, now (Aug., 1880) said to be about to go to press.)

The genera and species recognized by the author are as follows:

- I. LESTRIDINÆ.—1. *Buphagus skua*; a, *skua*; b, *antarcticus*. 2. *Stercorarius pomatorhinus*. 3. *S. parasiticus* (Brünn.). 4. *S. buffoni* (Boie).

- II. LARINÆ.—1. *Larus glaucus*. 2. *L. leucopterus*. 3. *L. glaucescens*. 4. *L. marinus*. 5. *L. argentatus*; a, *argentatus*; b, *smithsonianus*; c, *occidentalis*; d, *borealis*; e? *leucophæus*. 6. *L. californicus*. 7. *L. delawarensis*. 8. *L. canus*; a, *canus*; b, *niveus*; c, *brachyrhynchus*. 9. *L. (Blasipus) heermanni*. 10. *L. (Rissa) tridactylus*; a, *tridactylus*; b, *kozzebui*. 11. *L. (R.) brevirostris* Brandt. 12. *L. (Pagophila) eburneus*. 13. *L. (Chræcocephalus) atricilla*. 14. *L. (C.) franklini*. 15. *L. (C.) philadelphia*. 16. *Rhodostethia rosea*. 17. *Xema sabinei*. 18. *Xema furcatum*.

- III. STERNINÆ.—1. *Sterna (Gelochelidon) anglica*. 2. *S. (Thalasseus) caspia*. 3. *S. (T.) regia*. 4. *S. (T.) galericulata* (= *elegans*). 5. *S. (T.) cantiana*. 6. *S. trudeaui*. 7. *S. forsteri*. 8. *S. hirundo*. 9. *S. macrura*. 10. *S. dougalli*. 11. *S. portlandica* Ridg. (since abolished.) 12. *S. superciliaris* var. *antillarum*. 13. *S. aleutica*. 14. *S. (Haliplana) fuliginosa*. 15. *S. (H.) anæsthesia*. 16. *Hydrochelidon lariformis* (L., 1758). 17. *H. nigra* (= *leucoptera* Meisn. & Schinz). 18. *Anous stolidus*.

- IV. RHYNCHOPINÆ.—1. *Rhynchops nigra*.

Various extralimital species are incidentally treated in addition to those recognized as North American.

1874. EVANS, J. Arctic Skua [*Stercorarius buffoni*] in Lincolnshire. < *Zoologist*, 2d ser., ix, 1874, p. 3837.
1874. HARVE-BROWN, J. A. Glaucous Gull [*Larus glaucus*: cf. *Zool.*, s. s., p. 4078]. < *Zoologist*, 2d ser., ix, 1874, p. 4120.
1874. HERRICK, H. A Sea Bird [*Stercorarius parasiticus*] away from Home. < *Am. Sportsman*, v, Dec. 12, 1874, p. 167.
- Occurrence of this species at Chatham, N. J.
1874. KIRTLAND, J. P. A rare Bird [*Stercorarius richardsoni*, in Ohio]. < *Proc. Cleveland Acad. Nat. Sci.*, 1874, p. 133. [Read 1857.]
1874. MAYNARD, C. J. A Naturalist on the National [Sportsmen's Association]. < *Am. Sportsman*, iv, 1874, p. 329.
- Statements as to slaughter of Gulls and Terns (*Laridæ*), etc., along the New England coast; causes of decrease of birds.
1874. RANDALL, W. S. The Common Gull (*Larus canus*) in Captivity. < *Zoologist*, 2d ser., ix, 1874, pp. 4129-4131.
1874. RICKARDS, M. S. C. Pomarine Skua [*Stercorarius pomatorhinus*] in North Devon. < *Zoologist*, 2d ser., ix, 1874, pp. 4240, 4241.

1874. RICKARDS, M. S. C. Richardson's Skua [*Stercorarius richardsoni*] near Clevedon and at Instow. < *Zoologist*, 2d ser., ix, 1874, p. 4241.
1874. RIDGWAY, R. Notice of a Species of Tern [*Sterna portlandica*, sp. n.] new to the Atlantic Coast of North America. < *Am. Nat.*, viii, 1874, p. 433.
This alleged new species occasioned considerable writing before it was finally identified with *S. macrura*.
1874. RODD, E. H. Buffon's Skua [*Stercorarius buffoni*] near Falmouth. < *Zoologist*, 2d ser., ix, 1874, pp. 4239, 4240.
1874. SAUNDERS, H. Remarks on the Grey-capped Gulls [*Cirrhocephalus* Bp.] and on the Species with which they have been confounded. < *P. Z. S.*, 1874, pp. 291-295.
1874. SCLATER, P. L. The Yellow-legged Herring-Gull [*Larus leucophæus*]. < *Ibis*, 3d ser., iv, 1874, p. 100.
A note on its geographical distribution.
1874. SHAW, J. Little Gull [*Larus minutus*] near Shrewsbury. < *Zoologist*, 2d ser., ix, 1874, p. 4262.
1874. TAYLOR, W. Caspian Tern [*Sterna caspia*] at Birmingham. < *Zoologist*, 2d ser., ix, 1874, pp. 4036, 4037.
1874. "W. M. S." A Domesticated Gull. < *Am. Sportsman*, iv, 1874, p. 171.
1875. ANON. [Mode of catching Sea Gulls alive at Mt. Desert, Maine.] < *Forest and Stream*, v, Dec. 23, 1875, p. 308.
1875. BENNER, F. *Sterna portlandica*. < *Rod and Gun*, vi, Apr. 3, 1875, p. 7. See also p. 56.
1875. BREWSTER, W. Some notes on a new species of North American Tern [*Sterna portlandica*]. < *Am. Sportsman*, v, Jan. 16, 1875, p. 249.
Notice of *Sterna portlandica*, Ridg., collected on Muskeget Island, Mass., July 1, 1870.
1875. BREWSTER, W. A New Bird [*Sterna regia*] to Massachusetts. < *Am. Sportsman*, v, Jan. 16, 1875, p. 249.
Capture of ♂ and ♀ on Nantucket Island, July 1, 1874; the female bore marks of breeding.
1875. BREWSTER, W. Occurrence of the Fork-tailed Gull [*Xema sabinii*] in Massachusetts. < *Am. Sportsman*, v, Mar. 13, 1875, p. 370.
Read before Nuttall Ornithological Club, 1875.
1875. BULLER, W. L. Notes on an alleged new Species of Tern (*Sterna alba*, Potts). < *Trans. and Proc. New Zealand Inst. for 1874*, vii, 1875, pp. 214, 215.
1875. COPE, W. J. Blackheaded Gulls [*Larus ridibundus*] at South Kirkby. < *Zoologist*, 2d ser., x, July, 1875, p. 4541.
1875. "F. W. S." *Sterna portlandica*. < *Am. Sportsman*, v, Feb. 13, 1875, p. 314.
Its nesting in numbers on an island off the coast of Maine. (= *S. macrura*.)
1875. GURNEY, J. H., JR. Herring Gulls [*Larus argentatus*] carrying off wounded Dunlins. < *Zoologist*, 2d ser., x, Oct., 1875, pp. 4666, 4667.
1875. GURNEY, J. H., JR. Audacity of a Common Skua (*Stercorarius catarrhæctes* (Linn.)). < *Zoologist*, 2d ser., x, Nov., 1875, pp. 4698, 4699.
1875. LEGG, W. H. Little Gull [*Larus minutus*] in Summer Plumage in February. < *Zoologist*, 2d ser., x, May, 1875, p. 4459.
1875. MATHEW, M. A. Pomatorrhine Skua [*Stercorarius pomatorhinus*] at Instow. < *Zoologist*, 2d ser., x, Jan., 1875, p. 4300.
1875. MAYNARD, C. J. Bird murder—*Sterna portlandica*. < *Rod and Gun*, vi, Apr. 24, 1875, p. 56. See also p. 7.
1875. NEWTON, [A.] [Exhibition of two specimens of *Rhodostethia rosea* from Greenland.] < *P. Z. S.*, May 4, 1875, p. 349.
1875. NICHOLLS, H., JR. Singular Freak of a Herring Gull [*Larus argentatus*]. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4698.

1875. RIDGWAY, R. Note on *Sterna longipennis* Nordmann. < *Am. Nat.*, ix, No. 1, Jan., 1875, pp. 54, 55.
Critical comparison of *SS. hirundo*, *longipennis*, *portlandica*, and *pikoi*.
1875. ROCKE, J. Correction of an Error [Zool., s. s., p. 4262, respecting *Xema sabinii*]. < *Zoologist*, 2d ser., x, Jan., 1875, pp. 4299, 4300.
1875. SAUNDERS, H. [Remarks on a Gull from Lower California, referable to *Larus fuscus*.] < *P. Z. S.*, Mar. 16, 1875, p. 158.
1875. SAUNDERS, H. On the Immature Plumage of *Rhodostethia rosea*. < *Ibis*, 3d ser., v, 1875, pp. 484-487.
With enumeration of 11, perhaps 12, known specimens of this species.
1875. WARREN, R., JR. Notes on the Autumnal Migration of *Lestris Richardsonii* and *L. pomarinus* in Killala Bay and the Moy Estuary. < *Zoologist*, 2d ser., x, Nov., 1875, pp. 4699-4703.
1876. A[LL]EN, J. A. The Portland Tern [*Sterna portlandica*]. < *Bull. Nutt. Ornith. Club*, i, No. 3, Sept., 1876, pp. 71, 72.
Notice of W. Brewster's paper, *Ann. Lyc. Nat. Hist. N. Y.*, xi, p. 200, where *Sterna portlandica* is referred to *S. macrura*.
1876. BREWSTER, W. Some Additional Light on the so-called *Sterna portlandica*, Ridgway. < *Ann. Lyc. Nat. Hist. N. Y.*, xi, Nov., 1875, pub. Feb., 1876, pp. 200-207.
Critical examination of the supposed species, which is identified with *S. macrura*.
1876. BREWSTER, W. *Sterna portlandica*, Ridgway. < *Rod and Gun*, viii, Apr. 15, 1876, p. 37.
Reprinted from *Ann. Lyc. Nat. Hist. N. Y.*, xi, Nov., 1875, pub. Feb., 1876, p. 200.
1876. DARRAGH, T. Audacity of the Common Skua [*Stercorarius skua*]. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.
1876. GURNEY, J. H., JR. Black Tern [*Hydrochelidon nigra*] in Durham. < *Zoologist*, 2d ser., xi, Jan., 1876, pp. 4766, 4767.
1876. GURNEY, J. H., JR. Second Instance of the Audacity of the Skua [*Stercorarius skua*]. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.
1876. GURNEY, J. H., JR. Sabine's Gull [*Xema sabinii*] at Bridlington Quay. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.
1876. GURNEY, J. H., JR. Kittiwake [*Rissa tridactyla*] in Winter. < *Zoologist*, 2d ser., xi, Aug., 1876, p. 5048.
1876. HADFIELD, H. Common Gull [*Larus canus*]. < *Zoologist*, 2d ser., xi, June, 1876, pp. 4959, 4960.
1876. HARVIE-BROWN, J. A. "Kittiwake [*Rissa tridactyla*] in Winter" (Zool. S. S. 5048). < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5086.
1876. HEATON, W. H. Does the Common Gull [*Larus canus*] breed in the Scilly Isles? < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5126.
1876. [INGERSOLL, E.] *Sterna Portlandica*. < *Forest and Stream*, vi, Mar. 23, 1876, p. 100.
Review of paper (*Ann. Lyc. Nat. Hist. N. Y.*, xi, Nov., 1875, p. 200) on *Sterna portlandica*.
1876. JOUY, P. L. Notes on Forster's Tern. *Sterna forsteri*, Nutt. < *Field and Forest*, ii, No. 2, Aug., 1876, pp. 29-31.
As observed in the District of Columbia, U. S.
1876. KERRY, F. Iceland Gull [*Larus leucopterus*] at Aldeburgh. < *Zoologist*, 2d ser., xi, 1876, p. 4848.
1876. LE BARON, J. F. Short-Tailed Tern [*Hydrochelidon nigra*] in Massachusetts. < *Forest and Stream*, v, Jan. 20, 1876, p. 372.
1876. MATHEW, M. A. Herring Gulls [*Larus argentatus*] at Tintagel. < *Zoologist*, 2d ser., xi, Oct., 1876, pp. 5126, 5127.

1876. SAUNDERS, H. On the Stercorariine or Skua Gulls. < *P. Z. S.*, Mar. 21, 1876, pp. 317-332, pl. xxiv.

Monographic; copious synonymy, description and criticism. The author recognizes one genus and 6 spp. *Stercorarius catarrhætes*, *S. antarcticus*, *S. chilensis* (figured pl. 24), *S. pomatorhinus*, *S. crepidatus* (= *parasiticus* auct.), and *S. parasiticus* L. (= *buffoni* auct.). Of the smaller species the same three spp. as given by Coues are recognized, but the synonymy is much better worked out.

1876. SAUNDERS, H. On the Sternina, or Terns, with Descriptions of three new Species. < *P. Z. S.*, June 20, 1876, pp. 638-672, figg. 1-5, pl. lxi.

The second of three papers in which the Jägers, Terns, and Gulls are respectively monographed. The author studied the family diligently, and enjoyed exceptional facilities for examining type-specimens; his results, therefore, being entitled to much consideration. After some general remarks, the following species are treated with synonymy, criticism, geographical distribution, and in some cases with description:—

1, *Hydrochelidon hybrida*; 2, *H. leucoptera*; 3, *H. nigra*. 4, *Sterna magnirostris*; 5, *S. anglica*; 6, *S. seena*; 7, *S. melanogastra*; 8, *S. antarctica*; 9, *S. virgata*; 10, *S. vittata*; 11, *S. hirundinacea*; 12, *S. albigena*; 13, *S. fluviatilis*; 14, *S. tibetana*, sp. n., p. 649; 15, *S. longipennis*; 16, *S. macrura*; 17, *S. forsteri*; 18, *S. dougalli*; 19, *S. cantiaea*; 20, *S. elegans*; 21, *S. eurynatha*, sp. n., p. 654, fig. 1; 22, *S. media*; 23, *S. maxima*; 24, *S. caspia*; 25, *S. bernsteini*; 26, *S. bergii*; 27, *S. frontalis*; 28, *S. tridactylus*; 29, *S. melanauchen*; 30, *S. minuta*; 31, *S. antillarum*; 32, *S. superciliaris*; 33, *S. sinensis*; 34, *S. sumatrana*; 35, *S. nercis*; 36, *S. exilis*; 37, *S. balanarum*; 38, *S. alcutica*; 39, *S. anetheta*, fig. 3; 40, *S. lunata*; 41, *S. fuliginosa*, fig. 2. 42, *Nenia inca*. 43, *Gygis candida*, fig. 4; 44, *G. microrhyncha*, sp. n., p. 668, fig. 5. 45, *Anous stolidus*; 46, *A. tenuirostris*, pl. lxi, fig. 1; 47, *A. melanogenys*, pl. lxi, fig. 2; 48, *A. leucocapillus*, pl. lxi, fig. 3; 49, *A. ceruleus* (cf. *P. Z. S.*, 1878, p. 271, seq.).

See Coues, *Bull. Nutt. Ornith. Club*, iii, 1878, pp. 140-142.

1876. TUCK, J. G. Little Gulls [*Larus minutus*] off Flamborough Head. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.

1876. TUCK, J. G. Glaucous Gull [*Larus glaucus*] at Flamborough. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.

1876. TUCK, J. G. Sandwich Tern [*Sterna cantiaea*] on Filey Brigg. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.

1876. TUCK, J. G. Ivory Gull [*Pagophila eburnea*], &c. < *Zoologist*, 2d ser., xi, June, 1876, p. 4960.

1876. WALDEN, Lord. [Letter on *Sterna albigena* Rüpp. on the Bombay Coast.] < *Ibis*, 3d ser., vi, July, 1876, pp. 384, 385.

1876. WHITAKER, J. Common Skua [*Stercorarius skua*] near Mansfield. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.

1877. ANDERSON, A. [Remarks on exhibition of young examples of *Rhynchops albigollis* and *Seena aurantia*.] < *P. Z. S.*, Dec. 4, 1877, p. 807.

No difference in the bills on first hatching, so that the extraordinary shape of that of *Rhynchops* must be later developed.

1877. DEANE, R. Occurrence of the Sooty Tern [*Sterna fuliginosa*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 27.

1877. GURNEY, J. H., JR. [On a peculiar white stage of plumage of *Larus glaucus*.] < *Ibis*, 4th ser., i, Oct., 1877, p. 492.

This seems to be what Coues called *Larus hutchinsii* (after Rich., *F. B. A.*, ii, 1881, p. 419) in *Pr. Phila. Acad.*, 1862, p. 294. See Coues, *B. Northwest*, 1874, p. 621.

1877. HUME, A. O. [Letter on the distinctness of species of *Anous*, with reference to *P. Z. S.*, 1876, p. 638, pl. lxi.] < *P. Z. S.*, Nov. 6, 1877, p. 683.

1877. ROBERTS, T. S. Notes on the Breeding of the Black Tern (*Hydrochelidon lariformis*) in Minnesota. < *Bull. Nutt. Ornith. Club*, ii, No. 2, Apr., 1877, pp. 34-36.

1877. ROWLEY, G. D. On Seaulton Mere, Norfolk, and the Black-headed Gull (*Larus ridibundus*). < *Rowl. Orn. Misc.*, ii, pt. x, Oct., 1877, pp. 407-416, pls. lxxvi-lxxviii.

Very interesting. The handsome plates represent scenery, filled with the birds.

1877. SAUNDERS, H. [On the Occurrence of the Panay Sooty Tern, *Sterna anæstheta*, in Great Britain.] < *P. Z. S.*, Feb. 6, 1877, p. 43.
1877. SAUNDERS, H. [Remarks on Exhibition of a Specimen of *Sterna aleutica* from Alaska.] < *P. Z. S.*, Nov. 20, 1877, p. 754.
1877. SAUNDERS, H. Reports on the Collections of Birds made during the Voyage of H. M. S. 'Challenger.'—No. V. On the Laridæ collected during the Expedition. < *P. Z. S.*, Nov. 20, 1877, pp. 794-800.
Remarks on 17 spp., with special reference to geographical distribution. "On the whole this collection of *Laridæ*, although small in numbers, is one of the most productive of knowledge which has yet been made by any of our national expeditions."
1877. [SCOTT, W. E. D.] Terns. < *The Country*, i, Dec. 1, 1877, p. 67.
Observations and data concerning the *Sterninæ* of the U. S. Atlantic Coast.
1878. ALLEN, J. A. Sabine's Gull [*Xenia sabinii*] in Maine. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 195.
Only other New England record for this species is found in *Am. Sportsman*, v, 1875, p. 370; *Proc. Bost. Soc. Nat. Hist.*, xvii, 1875, p. 449.
1878. BALLOU, W. H. Additions to the Avi-fauna of Illinois. < *The Oölogist*, iv, No. 4, June, 1878, p. 32.
Stercorarius buffoni.
1878. BENNER, F. The gulls of New York Bay. < *The Country*, i, Jan. 5, 1878, p. 133.
1878. B[REWER], T. M. Saunders on the Larinæ. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 185-187.
Review of the paper in *P. Z. S.*, Feb. 5, 1878, pp. 155-212.
1878. BREWER, T. M. The Skua Gull (*Stercorarius catarractes*) on the Coast of Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 188.
A suspicious statement that this is the first recorded instance of its occurrence in "any part of North America other than Greenland". (Cf. Lawr. in *Baird's B. N. A.*, 1858, p. 838; "California".)
1878. BREWSTER, W. The Short-tailed Tern (*Hydrochelidon fissipes*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 190.
Its common occurrence, where it had been considered a rare visitor.
1878. COLLINS, W. H. Notes on the Nesting of the Black Tern [*Hydrochelidon lariformis*], at St. Clair Flats, Mich[igan]., June 7, 1878. < *The Oölogist*, iv, No. 4, June, 1878, p. 26.
1878. COUES, E. Mr. H. Saunders on the Sterninæ. < *Bull. Nutt. Ornith. Club*, iii, No. 3, 1878, pp. 140-142.
Favorable review of the paper in *P. Z. S.*, 1876, pp. 638-672: presenting also a synonymatic synopsis of the 17 North American species, according to the author reviewed.
1878. DEANE, R. The Sooty Tern [*Sterna fuliginosa*] in New Hampshire. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 195.
Its first recorded occurrence in that State, though well known as a bird of Massachusetts, Connecticut, and Rhode Island.
1878. [EDITORIAL.] Instinct in Birds. < *The Country*, ii, July 6, 1878, p. 168.
Remarks upon an anecdote of "instinct" in a Gull.
1878. FIELDEN, H. W. [Letter on the occurrence of *Rhodostethia rosea* in the Novaya Zemlya Sea.] < *Ibis*, 4th ser., ii, Apr., 1878, pp. 200, 201.
Shot by Julius Payer, summer of 1873; Cf. English ed. of *New Lands within Arctic Circle*, ii, p. 91.
1878. GAETKE, H. [Letter on the occurrence of *Larus affinis* in Heligoland.] < *Ibis*, 4th ser., ii, Oct., 1878, p. 489.
1878. ROWLEY, G. D. *Larus tridactylus*. (The Kittiwake Gull.) < *Rowl. Orn. Misc.*, iii, pt. xiv, May, 1878, pp. 233-236, pl. exi.

1878. SAUNDERS, H. On the Larinæ or Gulls. < *P. Z. S.*, Feb. 5, 1878, pp. 155-212, figg. 16.

This is an admirable memoir, which was immediately accepted as the leading authority upon the subject. The principal previous Laridists were Boie, Brehm, Bruch, Bonaparte, Schlegel, Blasius, Coues, and Schater and Salvin.

"The literature of this group has been rendered specially intricate through the perverted ingenuity of two systematists who have undertaken its revision. Boie and Brehm are not guiltless. . . . But when Bonaparte and Bruch undertook the revision of the *Larinæ* of the whole world, they speedily enveloped the question in a perfect fog of synonymy; . . . and to the work of the declining days of both these authors we owe at least half of the synonymy which encumbers these pages. It was their intention to perform a similar office for the Terns; but death cut their plans short. . . ."

In Bonaparte's last completed list (for that in *Consp. Av.* was never finished) in *Comptes Rendus*, xlii, 1856, p. 770, he makes 68 spp. and 22 genu. of *Larinæ*, besides 5 doubtful species. Schlegel's *Mus. Pays-Bas* is said by Blasius to be the foundation of all true Gull-knowledge. Blasius reduces the species to 35. Saunders here gives 49 spp. under the 5 genera *Pagophila*, *Rissa*, *Larus*, *Rhodostethia*, and *Xema*. These are carefully treated, with copious synonymy, habitat, description in some cases, and the important critical remarks which Mr. Saunders's general familiarity with the subject and especially his examination of many type specimens enabled him to offer. Much of the "fog" is lifted from the subject, and many of the spectres of Bonaparte's and Bruch's distorting mediumship are laid, it is to be hoped, forever. The figures illustrate the pattern of the primaries of many of the species. The paper closes with correction of an error, *P. Z. S.*, 1876, p. 671, where two species are united under name of *Anous ceruleus*.

Saunders recognizes the following species:—1, *Pagophila eburnea*. 2, *Rissa tridactyla*; 3, *brevisrostris*. 4, *Larus glaucus*; 5, *leucopterus*; 6, *glaucescens*; 7, *argentatus*; 8, *cachinnans*; 9, *affinis*; 10, *occidentalis*; 11, *fuscus*; 12, *californicus*; 13, *delawarensis*; 14, *canus*; 15, *brachyrhynchus*; 16, *auduboni*; 17, *marinus*; 18, *dominicanus*; 19, *pacificus*; 20, *belcheri*; 21, *heermanni*; 22, *crassirostris*; 23, *modestus*; 24, *fuliginosus*; 25, *scorebii*; 26, *noræ hollandiæ* (figg. 1-3); 27, *scopulinus* (f. 4); 28, *hartlaubi* (f. 5); 29, *bulleri* (figg. 6, 7); 30, *gelastes* (f. 8); 31, *leucophthalmus*; 32, *heprichi*; 33, *atricilla*; 34, *franklini*; 35, *serranus* (f. 9); 36, *brunneiceps* (f. 10); 37, *ichthyætes*; 38, *melanorhynchus* (f. 11); 39, *ridibundus* (f. 12); 40, *maculipennis* (f. 13); 41, *glaucoptes* (f. 14); 42, *cirrocephalus*; 43, *phærocephalus*; 44, *saundersi* (f. 15); 45, *minutus*; 46, *philadelphia* (f. 16). 47, *Rhodostethia rosca*. 48, *Xema sabini*; 49, *X. fuscum*.

The following dates of introduction of generic names may be found useful:—

1766. *Larus*, Linn., *S. N.*, p. 224; for all Gulls. 1819. *Xema*, Leach, *App. Ross's Voy.*, p. lvii; *X. sabini*. 1822. *Xema*, Boie, *Isis*, p. 563; for European hooded Gulls. 1844. *Xema*, Boie, *Isis*, p. 192; for various spp. (N. B. *Gavia*, Moehring, 1752, out of date; *Gavia*, Briss., 1760, indefinite.) 1822. *Gavia*, Boie, *Isis*, p. 563; *L. eburneus* and *L. tridactylus*. 1826. *Gavia*, Boie, *Isis*, p. 980; *L. eburneus*. 1844. *Gavia*, Boie, *Isis*, p. 191; various spp. 1829. *Gavia*, Kaup, *Sk. Ent. Eur. Thierw.*, pp. 99, 196; *L. ridibundus* and *L. capistratus*. 1842. *Gavia*, Macg., *Man. Brit. Orn.*, p. 239; for all hooded Gulls. 1853. *Gavia*, Bruch, *J. f. O.*, p. 106; for small grey-mantled hoodless Gulls. 1825. *Rissa*, Steph., *Shaw's Gen. Zool.*, xiii, pt. i, p. 180; *L. tridactylus*. 1829. *Cheimonea*, Kaup, *Sk. Ent. Eur. Thierw.*, pp. 84, 196; *L. tridactyla*. 1829. *Pagophila*, Kaup, *op. cit.*, pp. 69, 186; *L. eburneus*. 1829. *Leucus*, misprint for *Leucus*, Kaup, *op. cit.*, pp. 86, 196; for *L. marinus*, *glaucus*, *fuscus*. 1857. *Leucus*, Bp., *C. A.*, ii, p. 215; *L. glaucus*, etc. 1829. *Hydrocoleus*, Kaup, *op. cit.*, pp. 113, 196; *L. minutus*, etc. 1829. *Ichthyætes*, Kaup, *op. cit.*, pp. 102, 196; *L. ichthyætes*. 1831. *Laroides*, Bruch, *V. D.*, 738; for most European hoodless Gulls. 1836. *Chroicocephalus*, Eyton, *Brit. B.*, p. 53; for the hooded Gulls (emend. *Kroicocephalus*, Jancson, 1839; *Chroicocephalus*, Reich., *Chroicocephalus*, Strickl., 1841; *Chroicocephalus*, S. & S., 1871). 1838. *Rossia*, Bp., *Comp. List*, p. 62; no descr.; preoccupied. 1842. *Rhodostethia*, Macg., *op. cit.*, pt. ii, p. 251; *L. roseus*. 1842. *Cetosparactes*, Macg., *tom. cit.*, p. 251; *L. eburneus*. (*Catosparactes*, Gray, *G. of B.*, iii, 1845, p. 655, note.) 1852. *Plautus*, Reich., *Nat. Syst. Vög. Longip.*, p. 5 (after Klein, 1750; out of date). 1853. *Glaucus*, Bruch, *J. f. O.*, p. 101; for large and medium gray-mantled spp. 1853. *Gabianus* "Bp.", Bruch, *J. f. O.*, p. 100; Bp., *Naum.*, 1854, pp. 211, 215; *L. pacificus*. 1854. *Gavina*, Bp., *Naum.*, p. 212; for *L. canus*, etc. 1857. *Gavina*, Bp., *C. A.*, ii, p. 222; *L. audouini*. 1853. *Dominicanus*, Bruch, *J. f. O.*, p. 100; for large dark-mantled Gulls. 1853. *Leucophæus* "Bp.", Bruch, *J. f. O.*, p. 108; *L. scorebii*. 1854. *Leucophæus*, Bp., *Naum.*, p. 211; also includes *L. heermanni*. 1857. *Leucophæus*, Bp., *C. A.*, ii, p. 231; *L. fuliginosus* and *L. belcheri*. 1853. *Blasipus* "Bp.", Bruch, *J. f. O.*, p. 108; *L. modestus*. 1854. *Blasipus*, Bp., *Naum.*, p. 211, includes *crassirostris*. 1853. *Adelarus* "Bp.", Bruch, *J. f. O.*, p. 106; for dark-mantled hooded spp. 1854. *Gelastes*, Bp., *Naum.*, p. 212; for *L. gelastes*, etc. 1854. *Atricilla*, Bp., *Naum.*, p. 212; for *L. atricilla*. 1854. *Creagrus*, Bp., *Naum.*, p. 213; for *L. furcatus*. 1854.

1878. SAUNDERS, H.—Continued.

Gavia, subgg. *Melagavia*, *Cirrhocephala*, Bp., *Naum.*, 1854, pp. 212, 213. (*Cirrhocephalus*, Bruch.) 1857. *Bruchigavia*, Bp., *C. A.*, ii, p. 228: a joke. 1854. *Procellarus* sive *Epitelarus*, Bp., *Naum.*, pp. 211, 213; type *neglectus=scoresbii*, juv. (done to "chaff" Cabanis). 1857. *Olupejarus*, Bp., *C. A.*, ii, p. 220; *L. fuscus*, and so forth.

1878. SHARPE, R. B. On a small Collection of Birds from the Ellice Islands. . . .
With a Note on the other Birds found there, by the Rev. S. J. Whitmee.
< *P. Z. S.*, Feb. 19, 1878, pp. 271-274.

The collection consists almost entirely of Terns, 5 spp. of which are given, with an *Ardea*. The synonymy of the two Grey Pacific Noddies, alleged to be wrongly given by Saunders (*P. Z. S.*, 1876, p. 671) is worked out, *Anous cinereus* and *Anous ceruleus* being differentiated.

1879. BREWER, T. M. The Black Skimmer [*Rhynchops nigra*] in Massachusetts.
< *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 243.1879. BOARDMAN, G. A. *Rhynchops nigra* in the Bay of Fundy. < *The Oölogist*, v,
No. 2, Aug., 1879, pp. 13, 14.

An account of the remarkable flight of these birds, northward from the Middle and Southern States, which occurred this year.

1879. BREWSTER, W. The Terns [*Sterninae*] of the New England Coast. < *Bull.*
Nutt. Ornith. Club, iv, No. 1, Jan., 1879, pp. 13-22.

A well-written popular account of habits, &c.

1879. "C. E. P." and "R. H." The Black Skimmer [*Rhynchops nigra*] in New Jersey.
< *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.

Note of capture.

1879. DEANE, R. The Black Skimmer (*Rhynchops nigra*) in New England. < *Bull.*
Nutt. Ornith. Club, iv, No. 4, Oct., 1879, pp. 242, 243.1879. "F. M." The Gull's Flight. < *Science News*, i, No. 15, June 1, 1879, p. 240.
On the mechanics of the case.1879. GOSS, N. S. Bonaparte's Gull [*Larus bonapartii*] in Kansas. < *Bull. Nutt.*
Ornith. Club, iv, No. 3, July, 1879, pp. 190, 191.1879. HENSHAW, H. W. Occurrence of the Caspian Tern (*Sterna caspia*) upon the
Coast of Virginia. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 243, 244.1879. MAYNARD, C. J. The Kittiwake Gull. (*Rissa tridactyla*.) < *Town and Country*
(newspaper of Boston, Mass.) for August, 1879.
Being Chap. VI of his *Wanderings of a Naturalist*.1879. RICHMOND, C. A. A Tame Gull [*Larus marinus*]. < *Forest and Stream*, xii,
June 12, 1879, p. 365.

Notice of a specimen kept in captivity for twenty years.

1879. "R. H. R. M." [R. H. ROBERTSON and G. B. GRINNELL.] Northern Range of
the Black Skimmer [*Rhynchops nigra*]. < *Forest and Stream*, xiii, Nov. 6,
1879, pp. 784, 785.

Notice of capture of this species at Martha's Vineyard, Mass., by Mr. Robertson, in Aug., 1879, with introduction by G. B. Grinnell, noting the occurrence of the species in New England during the same summer.

Procellariidæ.

1674. LACHMUND, F. De ave Diomedea [*Procellaria equinoctialis*]. Diss. cum vera ejus effigie aeri incisa. Amstelodami. Andr. Fris. 1674. 12mo. pp. 52, pl. Hand mihi obvisus: titulus e Caro et Engelm.
1745. LINNÆUS, C. Storm-väders-fogelen Beskrifven af Carl Linnæus. < *Kongl. Svensk. Vetensk. Acad. Handl.*, vi, 1745, pp. 93-96, pl. vi.
Procellaria pelagica, L., postea. ("Procellaria est avis Passerini ordinis"!)
1745. LINNÆUS, C. Beschreibung des Ungewittervogels, Procellaria. < *Abh. d. Schwed. Akad. für 1745*, pp. 93-96, 1 Taf.
This German version of the title taken from Carus and Engelmann.
1759. MARTIN, A. R. Beskrifning på en Procellaria [*glacialis*], som finnes vid Norr-polen. < *Kongl. Svensk. Vetensk. Acad. Handl.*, xx, 1759, pp. 94-99, pl. iii.
1759. MARTIN, A. R. Beschreibung einer Procellaria [*glacialis*] die sich um den Nord-pol findet. < *Abhandl. d. Schwed. Acad. für 1759*, pp. 94-98, 1 Taf.
This German version of the original title extracted from Carus and Engelmann.
1765. GUNNERUS, J. E. Vom Havhest oder Seepferd, einem Seevogel (*Procellaria groenlandica*). < *Der Drontheim Gesellsch. Schrift.*, Th. i, 1765, pp. 154-170, pl. Nicht mir selbst zugänglich: Titel aus Carus & Engelmann.
1785. FORSTER, —. Mémoire sur les Albatros [*Diomedea*]. < *Mém. de Math. et Phys. prés. à l'Acad.*, x, 1785, pp. 563-572, pl. 3.
Pas vu moi-même: le titre tiré de Carus et Engelmann.
1788. ÖDMANN, S. Beskrifning på Hofhästen [*Procellaria glacialis*]. < *Uppfostr.-Sällsk. allm. Tid.*, 1788, D. i., nro. 38.
Not seen.
1820. KUHLE, H. Beiträge zur Kenntniss der Procellarien. < *Beiträge zur Zool. und Vergl. Anat.*, 1820, pp. 135-149, pl. x, xi, figg. 1-13.
This important contribution to our knowledge of the *Procellariidæ* forms one of a very miscellaneous collection of zoological and anatomical papers by Kuhl, and by Hassell and Kuhl, published in a sm. 4to volume in 1820. I cite the whole volume elsewhere; but take this paper out for special notice here under *Procellariidæ*.
The paper on the *Procellariidæ* treats of 28 spp., most of which are described, with synonymy, and the heads of many of which are figured on two folding plates, as follows:
A. *Naribus tubo unico coalitis*: 1. *P. fuscata* L., p. 136, pl.; 2. *P. oceanica* Banks, p. 136, pl. x, f. 1; 3. *P. marina* Lath., p. 137, pl. x, f. 2; 4. *P. leachi* Temm., p. 137; 5. *P. fregatta* Banks, p. 138, pl. x, f. 3; 6. *P. pelagica*, p. 139; 7. *P. glacialis*, p. 139, pl. x, f. 4; 8. *P. capensis*, L., p. 140; 9. *P. gigantea* L., p. 140; *P. equinoctialis*, p. 141, pl. x, f. 5; 11. *P. hesitata* Forst., p. 142; 12. *P. fuliginosa* (Banks, tab. 19), p. 142, pl. x, f. 6; 13. *P. desolata* (ex definitione), p. 143, pl. xi, f. 7; 14. *P. turtur* Banks, p. 143, pl. xi, f. 8; 15. *P. grisea* L., p. 144, pl. xi, f. 9; 16. *P. coerulesca* Forst., p. 145. 17. *P. urinatrix* Forst., p. 145; 18. *P. nivea*, p. 145; 19. *P. antarctica* Forst., p. 145; 20. *P. lugens* Forst., p. 145; 21. *P.* — (Forst., pl. 20), p. 145.—B. *Naribus aperturis duabus separatis*, etc.: 22. *P. puffinus*, p. 146, pl. xi, f. 10; 23. *P. anglorum*, p. 146; 24. *P. obscura*, p. 147, pl. xi, f. 11; 25. *P. cinerea* L., p. 148, pl. xi, f. 12; 26. *P. munda* (Banks, tab. 24), p. 148; 27. *P. fuliginosa* (Banks, tab. 23), p. 148.—C. *Naribus subbasalibus, discretis*, etc.: 28. *P. vittata* Forst., p. 149, pl. xi, f. 13.
1822. EDITORIAL. M. Kuhl's Zoological Observations. < *Edinb. Philos. Journ.*, vii, 1822, pp. 187, 188.
Relating to absence of air-cells in bones of *Daption capensis*.
1824. BONAPARTE, C. [L.] An Account of Four Species of Stormy Petrels. < *Journ. Acad. Nat. Sci. Phila.*, iii, 1824, pp. 227-233, pl. viii, ix.
Procellaria pelagica, pl. 8; *P. leachi*, pl. ix, upper fig.; *P. wilsonii*, n. sp., p. 231, pl. 9, lower fig.; *P. oceanica*.
1824. [BREHM, C. L.] Der Wintersturm-vogel. *Procellaria hyemalis*, Brehm. < *Ornis*, Heft i, 1824, pp. 20-28.

1824. FABER, F. Beiträge zur arctischen Zoologie. < *Oken's Isis*, Jahrg. viii, 1824, pp. 779-795.
Zweyte Lieferung. Ueber die isländischen Schwimmvögel mit Rohrennasen (Tubinares). Gattung *Puffinus*: 1) *P. arcticus* Faber, p. 782; 2) *P. major*, n. s.? p. 785. Gattung *Procellaria*: *P. glacialis*, p. 786; *P. pelagica*, p. 791.—Nachtrag zum 'Prodromus,' pp. 792-795.
1824. V[IGORS, N. A.] New Species of Procellaria. < *Zool. Journ.*, i, 1824, pp. 425, 426.
Reproduction in part of Bonaparte's article, *Journ. Phila. Acad.*, iii, 1824, pp. 227-233, q. v.
1825. DESM . . . ST. [DESMAREST, A. G.] Description de quatre espèces de Pétrels ou Oiseaux de tempêtes; par M. Charles Bonaparte. . . . < *Féruss. Bull.*, 2^e sect., iv, 1825, pp. 126-128.
Extraite du *Journ. Acad. Phila.*, iii, No. 8, 1824, pp. 227-233, q. v.
1826. LESSON, R. P. Remarques sur quelques Oiseaux pélagiens, et particulièrement sur les Albatrosses; par M. Marion de Procé. . . . < *Féruss. Bull.*, 2^e sect., viii, 1826, pp. 277-279.
Extraite des *Ann. des Sci. Nat.*, viii, mai 1826, pp. 90-96.
1826. PROCÉ, MARION DE. Remarques sur quelques Oiseaux pélagiens, et particulièrement sur les Albatros. < *Ann. des Sci. Nat.*, viii, 1826, pp. 90-96.
1827. ACERBI, G. Intorno ad una specie di Procellaria [yelkouan] osservata nell' Ellesponto, nella Propontide, e nel Bosforo Tracio. < *Bibl. Ital.*, xlvii, 1827, pp. 294-298.
Not seen: title from *Roy. Soc. Cat.*
1827. BONAPARTE, C. L. Supplement to "an Account of four Species of Stormy Petrel," (Thalassidroma, Vigors). < *Zool. Journ.*, iii, 1827, pp. 89, 90.
Cf. *Journ. Phila. Acad.*, iii, 1824, pp. 227-233; *Zool. Journ.*, i, 1824, pp. 425, 426.
1829. ACERBI, G. Sur une espèce nouvelle de Procellaria [yelkouan] observée dans l'Hellespont, la mer de Marmora et le détroit de Constantinople; par G. Acerbi. . . . < *Féruss. Bull.*, 2^e sect., xvi, 1829, pp. 463, 464.
Voici la description de cette espèce, telle que l'auteur la donne lui même, extraite de la *Biblioteca ital.*, n^o exl, août 1827, pp. 294-297.
1830. BONAPARTE, C. L. [Ueber Procellaria wilsoni, u. s. w.] < *Oken's Isis*, Bd. xxiii, 1830, pp. 423, 424.
From *Journ. Acad. Phila.*, iii, 1824, pp. 227-233, q. v.
1830. BONAPARTE, C. L. Nachtrag zu den Sturm-vögeln (Thalassidroma Vigors). < *Oken's Isis*, Bd. xxiii, 1830, p. 1151.
Cf. *tom. cit.*, pp. 423, 424. Aus d. *Zool. Journ.*, Nr. ix, Vol. iii, 1827, pp. 89, 90.
1831. BENNETT, G. Observations on the Albatross [Diomedea]. < *London Medical Gazette*, viii, 1831, pp. 848—.
Not seen.
1831. LOWE, R. T. Note on Procellaria Anginbo, Hein., and Proc. Bulverii, Selby and Jard. < *Zool. Journ.*, v, 1831, p. 384.
Their identity with each other and with *P. fuliginosa* Gm.
1831. RENNIE, S. Zur Naturgeschichte der Procellaria [pelagica]. < *Froriep's Notizen*, xxxii, No. 691, 1831, pp. 133, 134.
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1832. ALLIS, T. Inland [in England] Specimens of the Forked-tail Petrel [Cymochorea leucorrhœa]. < *London's Mag. Nat. Hist.*, v, 1832, p. 589.
1832. "ARISTOPHILUS." The British Species of Petrel. < *London's Mag. Nat. Hist.*, v, 1832, pp. 589, 590.
1832. BREE, W. T. Stormy Petrels [Procellaria pelagica] taken in the Interior of the Island [England]. < *London's Mag. Nat. Hist.*, v, 1832, pp. 588, 589.
1832. BREE, W. T. The Fork-tailed Petrel [Cymochorea leucorrhœa] taken at Birmingham. < *London's Mag. Nat. Hist.*, v, 1832, p. 733.
1832. "C." Two Stormy Petrels [Procellaria pelagica] taken at Birmingham. < *London's Mag. Nat. Hist.*, v, 1832, p. 283.

1832. EARLE, —. Ueber das Eierlagen und Aufwachsen der Jungen der *Diomedea exulans*. < *Forstiep's Notizen*, xxxiv, No. 733, 1832, pp. 177, 178.
Not seen: title from Carus and Engelmann.
1832. MORRIS, F. O. The Fork-tailed Petrel (*Procellaria Leachii* [*Cymochorea leucorrhœa*, in England]). < *London's Mag. Nat. Hist.*, v, 1832, p. 733.
1832. STRICKLAND, A. [On the occurrence of *Puffinus fuliginosus*, n. sp., in Yorkshire, England.] < *P. Z. S.*, ii, 1832, pp. 128, 129.
1833. BENNETT, F. D. [On the Larynx of the Albatross (*Diomedea exulans*, Linn.).] < *P. Z. S.*, i, 1833, pp. 78, 79.
1833. D[ENSON?], J. The Wandering Albatross (*Diomedea exulans* L.). < *London's Mag. Nat. Hist.*, vi, 1833, pp. 372-374.
Its flight, etc.
1833. STRICKLAND, A. Observations on a species of *Procellaria* [*fuliginosa*], new to the British Fauna, which was shot at the mouth of the Tees, in Yorkshire, in August 1828. < *Rep. Brit. Assoc. Adv. Sci. for 1832, 1833*, p. 598.
An abstract of the paper in *P. Z. S.* for July 12, 1832, pp. 128, 129.
1834. BENNETT, G. [On the Nasal Gland of the wandering Albatross (*Diomedea exulans*, Linn.).] < *P. Z. S.*, ii, 1834, p. 151.
1834. GAIRDNER, M. Observations during a voyage from England to Fort Vancouver, on the Northwest Coast of America. < *Edinb. New Philos. Journ.*, xvi, 1834, pp. 290-302.
Contains some remarks on Albatrosses, and an allusion to *Chionis*.
1834. KING, P. P. [Observations on Oceanic Birds, particularly those of the Genus *Diomedea*, Linn.] < *P. Z. S.*, ii, 1834, pp. 128, 129.
1834. PROCÉ, MARION DE. Ueber einige Meervögel, insbesondere über die Albatros (*Diomedea*). < *Oken's Isis*, Bd. xxvii, 1834, p. 862.
Auszug aus d. *Annales des Sci. nat.*, Tom. viii, 1826, pp. 90-96.
1834. "A SUBSCRIBER." The Wandering Albatross (*Diomedea exulans* L.). < *London's Mag. Nat. Hist.*, vii, 1834, p. 74.
1835. BENNETT, F. D. Oberer Kehlkopf von *Diomedea exulans*, habe einen Kehledeckel. < *Oken's Isis*, Bd. xxviii, 1835, p. 537.
From *P. Z. S.*, 1833, pp. 78, 79.
1835. STRICKLAND, [A.] [*Puffinus fuliginosus*.] < *Oken's Isis*, Bd. xxviii, 1835, pp. 431, 432.
From *P. Z. S.*, 1832, pp. 128, 129.
1835. TULK, A. The Storm Petrel (*Procellaria pelagica* L.). < *London's Mag. Nat. Hist.*, viii, 1835, pp. 513, 514.
On the River Thames, in England.
1835. KING, P. P. [Letter respecting certain *Procellariidæ* observed during a voyage from Europe to New South Wales.] < *Lond. and Edinb. Philos. Mag.*, vi, 1835, pp. 387, 388.
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1835. KING, [P. P.] Brief aus Neuhoolland. < *Oken's Isis*, Bd. xxviii, 1835, p. 1051.
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1836. HENNING, —. [Note on the capture of an Albatross with a hook.] < *P. Z. S.*, iv, 1836, p. 63.
1837. SKAIFE, J. A Fork-tailed Stormy Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhœa*, in Lancashire]). < *Charlesw. Mag. Nat. Hist.*, i, 1837, pp. 555, 556.
1838. BERTOLONI, A. Annunzi di nuovi Libri < *Nuovi Ann. Sci. Nat. Bologna*, ii, 1838, pp. 156-159.
Under subhead of G. Gasparrini's *Descrizione delle isole di Tremiti*, etc., occurs matter relating to several *Procellariidæ*.

1838. COUCH, J. A Letter on the Occurrence of *Procellaria wilsoni* [Oceanites oceanicus] on the British Coast. < *Proc. Linn. Soc.*, i, No. 1, 1838, pp. 2, 3.
Not seen.
1840. GOATLEY, T. On a specimen of the Shearwater Petrel, Kite, &c. [in England.] < *Ann. Mag. Nat. Hist.*, vi, 1840, pp. 73, 74.
1841. ABBOTT, S. L. [On the habits of the Albatross, *Diomedea exulans*.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1841, p. 8.
1841. "J. M." A strange News-Carrier. < *Ann. Mag. Nat. Hist.*, vi, 1841, pp. 526, 527.
Diomedea exulans. From *Essex (Mass.) Register*, Feb., 1840.
1842. THOMPSON, W. Note on *Puffinus major*, Faber. Greater Shearwater. < *Ann. Mag. Nat. Hist.*, ix, 1842, pp. 433, 434.
1843. GOULD, J. [*Diomedea culminata*, sp. n.] < *P. Z. S.*, xi, 1843, pp. 107, 108.
1843. YARRELL, W. [On a specimen of *Puffinus obscurus*, from the Dardanelles.] < *P. Z. S.*, xi, 1843, p. 70.
1844. CLIFFE, H. F. Note on [the habits of] the Cape Pigeon [*Daption capensis*]. < *Zoologist*, ii, 1844, p. 579.
1844. FISHER, W. R. [On the capture of] Two Fulmar Petrels [*Procellaria glacialis*, off Great Yarmouth], . . . < *Zoologist*, ii, 1844, p. 456.
1844. GOULD, J. On the Family Procellariidae, with descriptions of Ten new Species. < *Ann. Mag. Nat. Hist.*, xiii, 1844, pp. 360-368.
Diomedea gibbosa, *D. olivaceorhyncha*, p. 361; *Procellaria atlantica*, p. 362; *P. mollis*, p. 363; *P. flavirostris*, *Puffinus brevicaudus* (descr. nulla!), *P. sphenurus*, p. 365; *Thalassidroma tropica*, p. 366; *T. melanogaster*, *T. leucogaster*, p. 367; with short notices of many other species of the family.
1844. HOMBROX, —, and JACQUINOT, [H.] Remarques sur quelques points de l'anatomie et de la physiologie des Procellariidées, et essai d'une nouvelle classification de ces oiseaux. < *Compt. Rend. de l'Acad. Sci.*, xviii, 1844, pp. 353-358.
Puffinus, p. 355; *Ossifraga*, p. 356; *Priocella*, p. 357, *genn. nn.*: *P. garnotii*, "nob", p. 357, *descr. nulla*.
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= *T. pelagica*. The paper also makes a few corrections of *Drummond's Birds of Ionian Islands and Crete*.
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1847. GARTH, J. C. Occurrence of the Stormy Petrel [*Procellaria pelagica*] near Knaresborough. < *Zoologist*, v, 1847, p. 1643.
1847. GOATLEY, T. Occurrence of the Stormy Petrel (*Procellaria pelagica*) near Chipping Norton. < *Zoologist*, v, 1847, p. 1643.
1847. LAWRENCE, G. N. A new species of *Procellaria* [*brevirostris*, afterward called *P. meridionalis*] from Florida. < *Am. Journ. Sci.*, iii, 1847, p. 436.
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1847. LAWRENCE, G. N. A new species of Procellaria [brevirostris, later *P. meridionalis*] from Florida. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 21.
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1848. ELLMAN, J. B. Occurrence of the Stormy Petrel (*Thalassidroma* [Procellaria] *pelagica*) at Hailsham. < *Zoologist*, vi, 1848, p. 2073.
1848. LAWRENCE, G. N. Description of a new Species of Procellaria [meridionalis]. < *Ann. Lye. Nat. Hist. N. Y.*, iv, 1848, pp. 475, 476. (Read Feb. 18, 1847.)
Same as that called *P. brevirostris* on covers of Nos. 8 and 9 of Vol. IV of the *Annals*, and elsewhere published as such in 1847.
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1849. BORRER, W., JR. Occurrence of the Fork-tail Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Brighton. < *Zoologist*, vii, 1849, p. 2392.
1849. GURNEY, J. H. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Yarmouth. < *Zoologist*, vii, 1849, p. 2622.
1849. MORRIS, F. O. Occurrence of the Fulmar Petrel (Procellaria [Fulmarus] *glacialis*) near Bridlington. < *Zoologist*, vii, 1849, p. 2592.
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1850. CURTLER, M. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Worcester. < *Zoologist*, viii, 1850, p. 2706.
1850. ELLMAN, J. B. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) at Brighton. < *Zoologist*, viii, 1850, pp. 2939, 2970.
1850. GURNEY, J. H. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) in Norfolk. < *Zoologist*, viii, 1850, p. 2654.
1850. NEWTON, A. Occurrence of the Fork-tail Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Torquay. < *Zoologist*, viii, 1850, p. 2778.
1850. SAXBY, S., JR. Occurrence of the fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) in the Isle of Wight. < *Zoologist*, viii, 1850, p. 2969.
1850. TOMES, R. F. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) in Warwickshire. < *Zoologist*, viii, 1850, pp. 2706, 2707.
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1851. HARPER, J. O. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) at Lowestoft. < *Zoologist*, ix, 1851, pp. 2990, 2991.
1851. KING, E. L. Occurrence of the Greater Shearwater (*Puffinus cinereus*) at Lynn. < *Zoologist*, ix, 1851, pp. 3234, 3235.
1851. NORMAN, A. W. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) at Blenheim Park. < *Zoologist*, ix, 1851, p. 3118.
1852. BREWER, T. M. Notice of the Egg of *Thalassidroma leachii* [Cymochorea leucorrhoa], with descriptions of the Eggs of Procellaria bulwerii, Procellaria obscura, and Puffinus major. Read before the Boston Society of Natural History. < *Journ. Bost. Soc. Nat. Hist.*, vi, pt. iii, 1852, pp. 308-312.
1852. NEWTON, A. Some Account of a Petrel [*Estrelata hesitata*], killed at Southacre, Norfolk; with a Description and Synonymy. < *Zoologist*, x, 1852, pp. 3691-3698, figg. 2.
1853. BONAPARTE, C. L. Zoological Notices. < *Rep. Brit. Assoc. Adv. Sci. for 1852*, 1853, (*Misc. Comm.*), p. 72.
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1853. GRAY, G. R. On a New Species of *Thalassidroma* [hornbyi]. < *P. Z. S.*, xxi, 1853, p. 62.

1853. RODD, E. H. Occurrence of the Fork-tailed Petrel (*Procellaria Leachii* [*Cymochorea leucorrhoa*]) near Penzance. < *Zoologist*, xi, 1853, p. 3756.
1853. YARRELL, W. Occurrence of a Petrel [*Puffinus obscurus*] new to Britain on the West Coast of Ireland. < *Zoologist*, xi, 1853, pp. 3947-3950.
1855. GOULD, J. On a New Species of the Genus *Prion* [*brevirostris*]. < *P. Z. S.*, xxiii, 1855, pp. 87, 88, pl. xciii.
1855. GRAY, G. R. On a New Species of *Thalassidroma* [*hornbyi*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, p. 78.
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1855. KJERBÖLLING, M. Om en ny Art, *Procellaria minor*, fra Groenland. < *Förhandl. Skandin. Naturf. i Stockholm, Sjette Möte, år 1851*, 1855, pp. 254, 255.
1856. FULLER, A. Occurrence of the Storm Petrel (*Thalassidroma* [*Procellaria*] *pelagica*) at Newmarket and near Cambridge. < *Zoologist*, xiv, 1856, p. 5065.
1856. GOULD, J. On a new Species of the Genus *Prion* [*brevirostris*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 56, 57.
From *P. Z. S.*, June 12, 1855, p. 87.
1856. RETZIUS, [A.] On the peculiar development of the Vermis Cerebelli in the Albatros (*Diomedea exulans*). < *Rep. Brit. Assoc. Adv. Sci. for 1855, 1856*, (*Misc. Comm.*), p. 133.
Upon which depends, it is believed, the strong, continuous, and tranquil flight of the bird.
1857. BLOOMFIELD, E. N. Explanation of supposed Phenomenon. < *Zoologist*, xv, 1857, pp. 5365, 5366.
Of Swallows emerging from the water: the birds being *Procellaria* sp.
1857. COCKS, W. P. Rare British Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, p. 107.
Only one sp., *Cymochorea leucorrhoa*.
1857. HADFIELD, H. W. Occurrence of the Forktailed Petrel [*Cymochorea leucorrhoa*] near Thubridge. < *Zoologist*, xv, 1857, pp. 5429, 5430.
1857. M'LACHLAN, R. Food of the Storm Petrel [*Oceanites oceanicus*]. < *Zoologist*, xv, 1857, p. 5833.
1857. RODD, E. H. Occurrence of the Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhoa*]) near Helston. < *Zoologist*, xv, 1857, p. 5429.
1857. THOMPSON, W. Occurrence of the Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhoa*]) at Weymouth. < *Zoologist*, xv, 1857, p. 5429.
1858. BORRER, W., JR. Occurrence of the Fulmar Petrel (*Procellaria* [*Fulmarus*] *glacialis*) at Brighton. < *Zoologist*, xvi, 1858, pp. 5988, 5989.
1858. STEVENSON, H. Occurrence of the Dusky Petrel (*Puffinus obscurus*) in Norfolk. < *Zoologist*, xvi, 1858, pp. 6096, 6097.
1859. ELWES, R. Note on the Breeding and Mode of Capture of the Short-tailed Petrel, or Mutton Bird (*Puffinus obscurus* [?]) in the islands in Bass's Straits. < *Ibis*, i, 1859, pp. 397-399.
1859. HATTON [*i. e.*, HUTTON], F. W. Remarks on the Southern Petrels. < *Zoologist*, xvii, 1859, pp. 6331, 6332.
1859. HUTTON, F. W. Remarks on the [habits of the] Southern Petrels. < *Zoologist*, xvii, 1859, pp. 6379, 6380.
1859. MARSH, G. S. Sea Birds [*Procellariidæ*] found Inland [in England]. < *Zoologist*, xvii, 1859, p. 6492.
1859. MATHEWS, M. A. Occurrence of the Fulmar Petrel [*Fulmarus glacialis*] in Barnstaple. < *Zoologist*, xvii, 1859, pp. 6447, 6448.
1860. HORTON, E. Use of the Albatross [*Diomedea exulans*]. < *Zoologist*, xviii, 1860, p. 6981.
Radius of this bird as a pipe-stem: poetry on the subject.

1860. MACGILLIVRAY, J. Zoological Notes from Aneitum, New Hebrides. < *Zoologist*, xviii, 1860, pp. 7133-7142.
Procellaria torquata, n. sp., p. 7133: the only ornithological item.
1860. PENNEY, W. Occurrence of the Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhœa*]) at Poole. < *Zoologist*, xviii, 1860, p. 6892.
1861. PHILIPPI, R. A., and LANDBECK, L. Descripcion de una nueva especie de pájaros del género *Thalassidroma* [segethi, p. 27]. < *Anal. Univ. Chile*, xviii, enero 1861, pp. 29, 30.
 " . . . i famosos entre los marineros i otros, que los llaman Mother Carrey's Kitchen" (loge Mother Carey's Chickens!).
1861. PITTARD, S. R. [Notice of a letter from, containing remarks relative to the flight of Albatrosses (*Diomedea*) and other oceanic Birds.] < *P. Z. S.*, xxix, 1861, p. 135.
1862. BENNETT, G. [Explanation of his diagram (in "Gatherings of a Naturalist in Australasia") of the flight of the Albatross (*Diomedea*).] < *Ibis*, iv, 1862, p. 90.
1862. BENNETT, G. [On an albino *Ossifraga gigantea*.] < *Ibis*, iv, 1862, p. 193.
1862. GOULD, J. [Exhibition and Description of *Prion magnirostris* sp. n.] < *P. Z. S.*, Apr., 8, 1862, p. 125.
1862. GOULD, J. [On *Prion magnirostris*.] < *Ann. Mag. Nat. Hist.*, 3d ser., x, 1862, p. 317.
 From *P. Z. S.*, Apr. 8, 1862, p. 125.
1862. LAYARD, E. L. Notes on the Sea-birds [chiefly *Procellariidæ*] observed during a Voyage in the Antarctic Ocean. < *Ibis*, iv, 1862, pp. 97-100.
1862. SAVILE, S. P. Breeding Habits of the Petrel [not named; Nova Scotia]. < *Zoologist*, xx, 1862, pp. 7940, 7941.
1862. SAXBY, H. L. Occurrence of the Manx Shearwater [*Puffinus anglorum*] at Sheerness. < *Zoologist*, xx, 1862, p. 8287.
1863. SCHLEGEL, H. *Procellariæ* < *Mus. Hist. Nat. Pays-Bas*, 4^e livr., Juillet 1863, pp. 1-40.
 The group here treated is equivalent to the family *Procellariidæ* of authors, and the three genera which the author adopts, viz, *Procellaria*, *Diomedea* and *Halodroma*, represent the three subfamilies into which it is divisible. It is represented in the Leyden Museum by 209 specimens, which the author refers to 43 spp. of *Procellaria*, 8 spp. of *Diomedea*, and 3 spp. of *Halodroma*. Two species, *Proc. incerta*, p. 9, and *P. neglecta*, p. 10, are described as new.
1863. SMITH, Rev. JAMES. The Fulmar Petrel (*Procellaria* [*Fulmarus*] *glacialis*) near Birmingham. < *Zoologist*, xxi, 1863, p. 8449.
1863. STEVENSON, H. The Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhœa*]) in Norfolk. < *Zoologist*, xxi, 1863, p. 8449.
1863. STEVENSON, H. [Occurrence of *Cymochorea leucorrhœa* at Salthouse, near Cromer, England.] < *Ibis*, v, 1863, pp. 235, 236.
- 1864? ———. Some account of the Storm Petrel, Sea Serpent, Albicore, &c., as observed at St. Margaret's Bay, Nova Scotia. < *Trans. Nova Scotia Inst.*, i, pt. ii, 1864?, pp. 34—.
1864. BOULTON, W. W. Manx Shearwater [*Puffinus anglorum*] Shot at Flamborough. < *Zoologist*, xxii, 1864, pp. 9291, 9292.
1864. BOULTON, W. W. Manx Shearwater [*Puffinus anglorum*] at Flamborough and Filey. < *Zoologist*, xxii, 1864, pp. 9330, 9331.
1864. BOULTON, W. W. Fulmar Petrel [*Fulmarus glacialis*] near Flamborough Head. < *Zoologist*, xxii, 1864, p. 9365.

1864. COUES, E. A critical Review of the Family Procellariidæ; Part I., embracing the Procellariæ, or Stormy Petrels. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 72-91.

This is the first of a series of five papers in which the whole family *Procellariidæ* are critically reviewed. The Petrels are divided into three subfamilies, *Procellariinæ*, *Diomedeinæ*, and *Halodrominæ*, the first of these into the sections *Procellariæ*, *Puffinæ*, *Fulmaræ*, *Æstrelatæ*, and *Prionæ*. Of the mode in which the genera and species are handled it may be remarked that those actually known by specimens to the author are carefully and satisfactorily described, and that the synonymy and criticism presented in such cases is in the main correct; but that the writer is not so fortunate in the instances in which he attempted to supplement his own knowledge by compilation from the writings of others, he having suffered not a little from imprudence in believing Bonaparte. The following 8 genera and 21 species of *Procellariæ* or "Stormy Petrels" are treated:—

1. *Oceanodroma furcata*. 2. *O. hornbyi*. 3. *Cymochorea* (g. n., p. 73) *leucorrhoa*. 4. *C. melania*. 5. *C. homochroa*, sp. n., p. 77. 6. *Halocyptena* (g. n., p. 78) *microsoma*, sp. n., p. 79. 7. *Procellaria pelagica*. 8? *P. tethys*. 9? *P. lugubris*. 10. *P. melitensis*. 11. *P. nereis*. 12. *P. fasciolata*. 13. *Oceanites oceanica*. 14. *O. lineata*. 15. *O. segethi*. 16. *O. gracilis*. 17. *Fregatta tropica*. 18. *F. grallaria*. 19. *F. melanogastra*. 20. *F. lawrencii*. 21. *Pelagodroma fregata*. The paper concludes with an analytical and diagnostic synopsis of these genera and species. For Part II, see next title; for Parts III-V, see 1866.

1864. COUES, E. A Critical Review of the Family Procellariidæ:—Part II.; Embracing the Puffinæ. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 116-144.

For Part I, see last title; for Parts III-V, see 1866. The "Shearwaters" are treated in this paper, under 5 genera and 21 spp., as follows:—

1. *Majaqueus æquinoctialis*. 2. *M. conspicillatus*. 3. *Adamastor cinereus*. 4. *A. gelidus*. 5. *A. sericeus*. 6. *Thiellus sphenurus*. 7. *T. chlororhynchus*. 8. *Nectris fuliginosus*. 9. *N. amavrosoma*, sp. n., p. 124. 10. *N. carneipes*. 11. *N. tenuirostris*. 12. *N. brevicaudus*. 13. *Puffinus kuhlii*. 14. *P. leucomelas*. 15. *P. creatopus* Cooper. MS., sp. n., p. 131. 16. *P. major*. 17. *P. anglorum*. 18. *P. yelcuanus*. 19. *P. obscurus*. 20. *P. opisthomelas*, sp. n., p. 139. 21. *P. nugax*.

1864. MEYER, R. Verschlagene Sturm-vögel [*Thalassidroma* sp.]. < *Zool. Gart.*, v, 1864, pp. 24-26.

1864. JEITTELLES, L. H. [Verschlagene Sturm-vögel.] < *Zool. Gart.*, v, 1864, p. 82.

1864. RADCLIFFE, C. D. Wilson's Petrel [*Oceanites oceanicus*] in the Isle of Wight. < *Zoologist*, xxii, 1864, p. 8892.

1865. GURNEY, J. H. Leach's Stormy Petrel [*Cymochorea leucorrhoa*] at Worthing. < *Zoologist*, xxiii, 1865, p. 9419.

1866. ANDERSSON, C. J. [On the mode of alimentation of Young *Diomedæ*: cf. *Ibis*, 1865, p. 279, seq.] < *Ibis*, 2d ser., ii, 1866, p. 324.

1866. BLACKMORE, H. Forktailed Petrel [*Cymochorea leucorrhoa*] near Salisbury. < *Zoologist*, 2d ser., i, 1866, p. 101.

1866. BROOKING-ROWE, J. Forktailed Petrel [*Cymochorea leucorrhoa*] at Plymouth. < *Zoologist*, 2d ser., i, 1866, p. 102.

1866. CARTE, A. On an Undescribed Species of Petrel [*Pterodroma caribbea*] from the Blue Mountains of Jamaica. < *P. Z. S.*, xxxiv, 1866, pp. 93-95, pl. x.

This is the Blue-Mountain Duck of Gosse, *B. Jam.*, p. 437, now first described and named.

1866. COUES, E. A Critical Review of the Family Procellariidæ:—Part III; embracing the Fulmaræ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 25-33.

For Parts I and II see 1864. This 3d part treats of the 3 genera *Fulmarus*, *Thalassoica*, and *Ossifraga*, of which are given the following species: *F. glacialis*, *F. pacificus*, *F. rodgersi*, *Th. glacialis*, *Th. antarctica*, and *O. gigantea*.

1866. COUES, E. Critical Review of the Family Procellariidæ:—Part IV; Embracing the *Æstrelatæ* and *Prionæ*. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 134-172.

For Parts I, II, see 1864; for Parts III and V, see preceding and following titles.

This Part opens with a criticism of Bonaparte, whom the writer seems to have just begun to find out, and continues with a discussion of 20 spp. of 3 gen. of *Æstrelatæ*, and 5 spp. of 2 gen. of *Prionæ*; concluding with an analytical diagnostic synopsis of these two groups.

The genus *Æstrelata* (οἰστράλατος) is misspelled *Æstrelata*, as was the fashion then.

1866. COUES, E.—Continued.

I. ESTRELATÆ.—1. *Æstrelata hesitata*. 2. *Æ. lessoni*. 3. *Æ. rostrata*. 4. *Æ. parvirostris*. 5. *Æ. incerta*. 6. *Æ. neglecta*. 7. *Æ. solandri*. 8. *Æ. grisea*. 9. *Æ. mollis*. 10. *Æ. cookii*. 11. *Æ. gavia*. 12. *Æ. desolata*. 13. *Æ. macroptera*. 14. *Æ. fuliginosa*. 15. *Æ. aterrima*. 16. *Æ. bulveri*. 17. *Æ. macgillivrayi*. 18. *Æ. carribæi*. 19. *Pagodroma nivea*. 20. *Daption capensis*.

II. PRIONÆ.—1. *Halobæna cærulea*. 2. *Pseudoprion* (g. n., p. 164) *banksii*. 3. *Ps. turtur*. 4. *Ps. ariel*. 5. *Prion vittatus*.

1866. COUES, E. Critical Review of the Family Procellariidæ;—Part V; embracing the Diomedine and the Halodrominæ. With a General Supplement. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 172–197.

For Parts III, IV, see preceding titles; for Parts I, II, see 1864.

This concluding paper of the series presents 12 spp. of Albatrosses under 2 genera, and 3 spp. of *Halodrominæ*, as follows:

I. DIOMEDEINÆ.—1. *Diomedea exulans*. 2. *D. brachyura*. 3. *D. leptorhyncha*, sp. n., p. 178. 4. *D. nigripes*. 5. *D. gibbosa*. 6. *D. melanophrys*. 7. *D. gilliana*, sp. n., p. 181. 8. *D. cauta*. 9. *D. culminata*. 10. *D. chlororhyncha*. 11. *D. olivaceirostris*. 12. *Phæbetria fuliginosa*.

II. HALODROMINÆ.—1. *Pelecanoides garnoti*. 2. *P. urinatrix*. 3. *P. berardii*.

The general supplement gives some additions to, and corrections of, all the five papers, and a bibliographical appendix identifies the Petrels treated by Linnæus, Gmelin, Latham, Vieillot, Kuhl, Stephens, and Forster.

A recapitulation of the genera and species treated in all five papers gives the following result:

Subfamilies and sections.	Genera.	Species.	Doubtful species.
<i>Procellariinæ</i> :			
<i>Fulmaræ</i>	3	6
<i>Æstrelatæ</i>	3	23	6
<i>Prionæ</i>	3	6	1
<i>Procellariæ</i>	7	21	5
<i>Puffinæ</i>	5	21	1
<i>Diomedeinæ</i>	2	12	2
<i>Halodrominæ</i>	1	3	2
Total.....	24	92	17

1866. DOUBLEDAY, H. Shearwater [*Puffinus anglorum*] at Epping. < *Zoologist*, 2d ser., i, 1866, p. 526.

1866. GOULD, J. Habits of the Shorttailed Petrel (*Nectris brevicaudus*). < *Zoologist*, 2d ser., i, 1866, pp. 203–211.

Extracted from Gould's *Handbook of the Birds of Australia*, ii, p. 464.

1866. GUISE, M. V. Forktailed Petrel [*Cymochorea leucorrhœa*] at Elmore. < *Zoologist*, 2d ser., i, 1866, p. 229.

1866. LOWNE, B. T. Notes on a Voyage round the World. < *Zoologist*, 2d ser., i, 1866, pp. 114–118.

Cursory remarks on a few *Procellariidæ*.

1866. RODD, E. H. Forktailed Petrel [*Cymochorea leucorrhœa*] at Penzance. < *Zoologist*, 2d ser., i, 1866, pp. 101, 102.

1866. SAUNDERS, H. [Letter relating to various Procellariidæ.] < *Ibis*, 2d ser., ii, 1866, pp. 124–126.

1866. SMEE, A. H. Leach's Petrel [*Cymochorea leucorrhœa*] at Shoreham. < *Zoologist*, 2d ser., i, 1866, p. 190.

1867. BUXTON, T. F. Storm Petrel [*Procellaria pelagica*] at Cromer. < *Zoologist*, 2d ser., ii, 1867, p. 992.

1867. GUNN, T. E. Storm Petrel [*Procellaria pelagica*] in Norfolk. < *Zoologist*, 2d ser., ii, 1867, p. 992.

1867. HUTTON, F. W. Notes on the Birds seen during a Voyage from London to New Zealand in 1866. < *Ibis*, 2d ser., iii, 1867, pp. 185-193.
About 20 species (all but one belonging to *Procellariidæ*) are noticed.
1867. MOOR, E. C. Storm Petrel [*Procellaria pelagica*] at Akdeborough. < *Zoologist*, 2d ser., ii, 1867, p. 992.
1867. OVEREND, J. G. Forktailed Petrel [*Cymochorea leucorrhoa*] at Yarmouth. < *Zoologist*, 2d ser., ii, 1867, p. 916.
1868. BLAKE-KNOX, H. Leach's Petrel [*Cymochorea leucorrhoa*] in Dublin Bay. < *Zoologist*, 2d ser., iii, 1868, p. 1424.
1868. BREE, C. R. Forktailed Petrel [*Cymochorea leucorrhoa*] at Colchester. < *Zoologist*, 2d ser., iii, 1868, pp. 1060, 1061.
1868. CLARK-KENNEDY, A. Storm Petrel [*Procellaria pelagica*] at Bridlington Quay. < *Zoologist*, 2d ser., iii, 1868, p. 1060.
1868. CLARK-KENNEDY, A. Storm Petrel [*Procellaria pelagica*] in Yorkshire. < *Zoologist*, 2d ser., iii, 1868, p. 1135.
1868. CLARK-KENNEDY, A. Storm Petrel [*Procellaria pelagica*] in Buckinghamshire. < *Zoologist*, 2d ser., iii, 1868, pp. 1178, 1179.
1868. GURNEY, J. H., JR. Fulmar Petrel [*Fulmarus glacialis*] at Flamborough. < *Zoologist*, 2d ser., iii, 1868, pp. 1461, 1462.
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The actual date of the paper is in question; but it probably appeared in 1873.
The wing-structure of *Procellariidæ* is treated with reference to the presence of one or two ossicles at the elbow-joint, developed in connection with the apophysial hooklet of the humerus, and the origin of the extensor metacarpi longus and extensor plicæ alaris. These ossicles are found in 6 genera and not in 8, but the 6 are enough richer in species to indicate that they occur in about two-thirds of the species of the family. Being peculiar to *Procellariidæ*, it is proposed to divide the group primarily upon this character.
Cf. Cones, Am. Nat., viii, 1874, p. 546; *Zool. Rec.*, x, pp. 71, 72.
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Podicipedidæ.

[N. B.—Hujusce familie nomen "*Podicipedidæ*" nec *Podicipidæ* rite scribendum, generis nomine a podice et pede derivato; unde *Podicipes*, scilicet "rump-foot."]

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cipine and *Podilymbina*, and the following North American genera and species:—*Æchmophorus* (g. n., p. 229) *occidentalis*; *Æ. clarkii*; *Podiceps cristatus*; *P. cooperi*; *P. (Dytes) cornutus*; *P. (Proctopus) californicus*; *P. (Pedetaithya) holbølli*; *Sylbeocyclus dominicus*; *Podilymbus podiceps*. Cf. *Ibis*, 1863, pp. 107, 108.

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Alcidae.

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A. Gierfuglens Ophold ved den vestlige Side af Atlanterhavet: ved de nordlige Dele af Nordamerikas Østkyst. 1. Gierfuglen ved Grönlands Kyster. 2. Gierfuglen i St. Lawrencebugten, ved Newfoundland, o. s. v., pp. 44-71. B. Gierfuglens Forekomst ved Udøerne i den Østlige Del af Atlanterhavet. 1. Gierfuglen ved Islands Kyster. 2. Gierfuglen ved Færøerne. 3. Gierfuglen ved de vestligste Skotske Smaaøer. 4. Gierfuglens Forekomst ved Norges Kyster. C. Summen af de enkelte Undersøgelser om Gierfuglens Udbredning, 1) Gierfuglen har aldrig været en egentlig arkisk Fugl, o. s. v., 2)-9). D. Benævnelsen „Penguins“ Be-

1856-57. STEENSTRUP, J. [J. S.].—Continued.

tydning, Oprindelse og Historie. E. Om Geirfuglens Stilling till sine nærmeste Beslægtede. —Oplysning om Kaartet og Tavlen.—Tillægsanmærkning.

Gyracea, g. n., p. 114.

This celebrated article is also published separately, 1 vol., 8vo., Kjöbenhavn, 1857. There are two German versions: one in *Gelehrten Anzeigen der k. Bayerischen Akad.*, 1860, pp. —; the other in *Bull. Acad. Imp. Sci. St.-Petersb.*, vi, 1863, pp. 513-576, reprinted in *Mélanges Biol. Acad. Imp. Sci. St.-Petersb.*, iv, 4^e livr., 1864, pp. 399-490, by K. E. von Baer. There is also a French translation in *Bull. Soc. Ornith. Suisse*, ii, 1^{re} pte., 1868, pp. 5-70. Cf. *Ibis*, 1865, p. 228; 1868, p. 342; *Zool. Rec.*, v, pp. 111, 112.

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Inhold: Indledning, p. 1. A. Geirfuglens Ophold ved den vestlige Side af Atlanterhavet o: ved de nordlige Dele af Nordamerikas Östkyst, p. 5. 1. Ved Grönlands Kyster, p. 6. 2. I St. Lawrencebugten, ved Newfoundland o. s. v., p. 12. B. Geirfuglens Forekomst ved Udøerne i den Östlige Del af Atlanterhavet, p. 39. 1. Ved Islands Kyster, p. 39. 2. Ved Færøerne, p. 51. 3. Ved de vestlige Skotske Smaaøer, p. 54. 4. Ved Norges Kyster, p. 59. C. Summen af de enkelte Undersøgelser over Geirfuglens Udbredning, p. 63. D. Benævnelsen „Penguin“ Betydning, Oprindelse og Historie, p. 66. E. Om Geirfuglens Stilling till sine nærmeste Beslægtede, p. 76. Oplysning om Kaartet og Tavlen, p. 82. Tillægsanmærkning, p. 83.

Pl., ossa *Tetraonis urogalli* L. et *Alca impennis* L. varia inter *Mytilos*, *Cardia*, *Ostreas*, ceterasque reliquias cœnarum aboriginum Daniæ inventa. (*Oversigt. Kongl. Vidensk. Selsk. Förh.*, 1855.)

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1864. OWEN, R. [On the Skeleton of Alca impennis.] < *P. Z. S.*, 1864, p. 258.
Merely a note announcing his forthcoming memoir. Cf. *P. Z. S.*, 1863, p. 435.
1865. [ANON.] Der grosse Alk (*Alca impennis*), ein ausgestorbener Vögel. < *Aus der Natur*, xxxi, oder n. F., xix, 1865, pp. 81-86, 97-103, 113-117.
Bull. v, 4—34

1865. [FIELD, E.] Letter from the Right Rev. The Bishop of Newfoundland, concerning the Mummy of the Great Auk, (*Alca impennis*,) found on the Funk Islands. < *Trans. Nova Scotia Inst. Nat. Sci.*, i, pt. iii, 1865, p. 145.
3 specimens—one went to Prof. A. Newton, another to Prof. L. Agassiz, the other to J. M. Jones, President of the Institution.
1865. HOMEYER, A. V. *Alca impennis* im Breslauer Museum. < *J. f. O.*, xiii, 1865, pp. 151, 152.
1865. [NEWTON, A.] [On some remains of *Alca impennis*.] < *Ibis*, 2d ser., i, 1865, pp. 116, 117.
1865. NEWTON, A. The Gare-fowl [*Alca impennis*] and its Historians. < *Nat. Hist. Rev.*, Oct., 1865, pp. 467-488.
A very complete summary of the history of the remarkable bird.
1865. OWEN, R. Description of the Skeleton of the Great Auk, or Garfowl (*Alca impennis*, L.). < *Trans. Zool. Soc. London*, v, pt. iv, 1865 [read 1864], pp. 317-335, pll. li, lii, and a map.
A full account, with results of comparison with its allies. The specimen was that from Funk Island, mentioned in *P. Z. S.*, 1863, pp. 435-438.
1866. CLOGG, S. Little Auk [*Mergulus alle*] at Liskeard. < *Zoologist*, 2d ser., i, 1866, p. 101.
1866. COLLETT, R. Briefliches über *Alca impennis* in Norwegen. < *J. f. O.*, xiv, 1866, pp. 70, 71.
Ein schönes Ex. von Island, in der Samml. des Herrn Nicolai Aall, Besitzer der Eisenwerke bei Tvedestrand.—Ref. Rasch, *Nyt Magazin for Naturvid.*, i, 1838, p. 386; Sommerfelt, *Sv. Vet.-Akad. Förh.*, 1862.
1866. MATHEW, M. A. The Great Auk [*Alca impennis*] on Lundy Island. < *Zoologist*, 2d ser., i, 1865, pp. 100, 101.
Strong presumptive evidence that it was alive there within 30 years.
1866. [NEWTON, A.] [On several old or little known works which mention *Alca impennis*, and on the discovery of a nearly complete skeleton of that bird in the Museum of the Royal College of Surgeons, supposed to have belonged to John Hunter.] < *Ibis*, 2d ser., ii, 1866, pp. 223, 224.
1866. NEWTON, A. Auszug aus Herrn J. Wolley's Untersuchungen in Island betreffend den Geier-Vogel oder grossen Alk (*Alca impennis* L.). Uebersetzt aus „The Ibis“. October 1861. < *J. f. O.*, xiv, 1866, pp. 310-338.
1866. [NEWTON, A.] Der Geiervogel [*Alca impennis*] and seine Geschichtsschreiber. (Uebersetzt aus der „Natural History Review.“ Oct. 1865.) < *J. f. O.*, xiv, 1866, pp. 394-419.
1867. BOARDMAN, G. A. On the Plumage of the Black Guillemot [*Uria grylle*]. < *Am. Nat.*, i, 1867, p. 53.
Asks for information on the changes of plumage, noting that the species is found in Maine in full black feather all winter.
1867. DUTTON, J. Guillemot and Razorbill near Eastbourne. < *Zoologist*, 2d ser., ii, 1867, pp. 759, 760.
1867. GUNN, T. E. The Black Guillemot [*Uria grylle*], an Addition to the List of Norfolk Birds. < *Zoologist*, 2d ser., ii, 1867, p. 710.
1867. GUNN, T. E. Puffins [*Fratercula arctica*] on the Norfolk Coast. < *Zoologist*, 2d ser., ii, 1867, p. 878.
1867. GUNN, T. E. Puffin [*Fratercula arctica*] on the Norfolk coast. < *Zoologist*, 2d ser., ii, 1867, p. 951.
1867. STUBBS, C. E. Little Auk [*Mergulus alle*], &c., at Henley-on-Thames. < *Zoologist*, 2d ser., ii, 1867, p. 710.
1868. BLAKE-KNOX, H. Little Auk [*Mergulus alle*] in Dublin Bay. < *Zoologist*, 2d ser., iii, 1868, p. 1424.

1868. BLAKE-KNOX, H. Occurrence of the Ringed Guillemot [*Uria lachrymans*] in three instances off the Dublin Coast. < *Zoologist*, 2d ser., iii, 1868, p. 1461.
1868. COUES, E. A Monograph of the Alcide. < *Proc. Acad. Nat. Sci. Phila.*, xx, 1868, pp. 2-81, figg. 1-16 (woodc.).
I. Review of the literature of the family. II. Of the characters of the family, and its subdivisions. III. Descriptions of genera and species. 2 subfamilies; 13 genera; 33 spp. *Simorhynchus cassini*, p. 45, fig. 10, n. sp.
Reprinted in *Zoologist*, v, 1870, pp. 2004, seq.
Cf. *Ibis*, 1868, pp. 483-485; *Zool. Rec.*, v, p. 111; *Canad. Nat. and Geol.*, n. s., iv, 1869, p. 101.
1868. COUES, E. A Monograph [of | The Alcide. | By | Elliott Coues, A. M., M. D. | (Ass't. Surgeon U. S. Army.) | — | Philadelphia: | Merrihew & Son, Printers, | No. 243 Arch Street, | 1868. | 8vo. pp. 81, figg. 16.
Fifty copies, separately reprinted from *Proc. Acad. Nat. Sci. Phila.*, Jan., 1868, pp. 2-81, q. v.
1868. FATIO, V. Quelques Mots sur les exemplaires de l'*Alca impennis*, oiseaux et œufs qui se trouvent en Suisse. < *Bull. Soc. Orn. de la Suisse*, tom. ii, 1^{re} partie, pp. 73-79.
Three specimens of the skins and two of the eggs are described.
1868. FATIO, V. Liste des divers représentants de l'*Alca impennis* en Europe oiseaux, squelettes et œufs. < *Bull. Soc. Orn. de la Suisse*, tom. ii, 1^{re} partie, pp. 80-85.
The author enumerates 51 skins, 6 skeletons, and 60 eggs. Cf. *Zool. Rec.*, v, p. 112.
1868. GURNEY, J. H., JR. The Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., iii, 1868, pp. 1442-1453.
Historical.
1868. KÖNIG-WARTHAUSEN, R. Zur älteren Literatur [über *Alca impennis*]. < *J. f. O.*, xvi, 1868, pp. 246-258.
1868. NEWMAN, E. [Corrected (*Zool. s. s.*, p. 1354) date of the Extinction of *Alca impennis*,] The Great Auk. < *Zoologist*, 2d ser., iii, 1868, p. 1483.
1868. OLPHI-GALLIARD, L. "Phalaris psittacula trouvé en Suède." < *Revue Zoologique*, 1868, pp. 95, 96.
Not seen.
1868. STEENSTRUP, J. Matériaux pour servir à l'histoire de l'*Alca impennis* (Lin.) et recherches sur les pays qu'il habitait < *Bull. de la Soc. Orn. de la Suisse*, ii, pte. i, 1868, pp. 5-32, 32a-h, 33-70, pl.
This article is a French version of Steenstrup's famous Memoir, which originally appeared in *Vid. Meddel. Naturh. Foren. i. Kjöbenhavn för året 1855, 1856-57*, pp. 33-116, q. v.
There is a plate which belongs either to this article, or to V. Fatio's in the same part of the *Bulletin*.
"The publication of this translation by the Swiss Ornithological Society is greatly to be applauded, for few were able to read the original, published as it was in Danish, though it had already appeared in German, . . ." (*Zool. Rec.*)
1868. WYMAN, J. [Note on Bones of the Great Auk (*Alca impennis*), found at Goose Island, Casco Bay, Maine.] < *Proc. Boston Soc. Nat. Hist.*, xi, 1868, p. 303.
1869. ANON. The Egg of the Great Auk (*Alca impennis*). < *Am. Nat.*, iii, 1869, p. 550.
An anonymous reference to Dr. Baldamus's report of 22 specimens in Europe, with mention of 2 known to the writer in the United States; also, on 3 skins in the United States, 2 skeletons in England and United States, and numerous osseous fragments.
1869. CLARK, J. A. Little Auk [*Mergulus alle*] at Loughton. < *Zoologist*, 2d ser., iv, 1869, p. 1867.
1869. FEILDEN, H. W. [On certain specimens of Eggs of *Alca impennis*.] < *Ibis*, 2d ser., v, 1869, pp. 358-360.
1869. GURNEY, J. H., JR. Great Auks [*Alca impennis*] for Sale. < *Zoologist*, 2d ser., iv, 1869, p. 1603.
1869. GURNEY, J. H., JR. Notes on the Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., iv, 1869, pp. 1639-1643.
1869. GURNEY, J. H., JR. Bridled Guillemot [*Uria lachrymans*] at Bridlington. < *Zoologist*, 2d ser., iv, 1869, p. 1684.

1869. GURNEY, J. H., JR. The Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., iv, 1869, p. 1684.
1869. HUNTER, J. Little Auk [*Mergulus alle*] and Common Guillemot [*Uria troile*] at Faversham Creek. < *Zoologist*, 2d ser., iv, 1869, p. 1517.
1869. ORTON, J. The Great Auk [*Alca impennis*]. < *Am. Nat.*, iii, 1869, pp. 539-542, fig. 83.
Miscellaneous observations, not entirely correct.
1869. PRESTON, T. A. Winter Puffin [*Fratercula arctica*] at Marlborough. < *Zoologist*, 2d ser., iv, 1869, pp. 1951, 1952.
1869. REINHARDT, J. [Reprint of the original description of *Uria mandti*.] < *Ibis*, 2d ser., v, 1869, pp. 239-241.
From Mandt's 'Observations,' with comment.
1869. ROWLEY, G. D. The Skins of *Alca impennis*. < *Zoologist*, 2d ser., iv, 1869, p. 1645.
1870. [BAIRD, S. F.] Specimens extant of the Great Auk [*Alca impennis*]. < *Harp-er's New Monthly Mag.*, xli, 1870, p. 308.
1870. BLAKE-KNOX, H. Puffin [*Fratercula arctica*] on the Dublin Coast in February. < *Zoologist*, 2d ser., v, 1870, p. 2107.
1870. BOETTGER, O. Der nordische Papageitancher, *Mormon arctica* L., verirrt in Hessen. < *Zool. Gart.*, xi, 1870, p. 163.
Aus d. *Offenbacher Ver. Naturk.*, x, p. 64.
- 1870? BRANDT, J. F. Ergänzung und Berichtigungen zur Naturgeschichte der Familie de Alciden. < *Bull. de l'Acad. Imp. des Sci. St.-Petersb.*, xiv, (1869-70), 1870?, pp. 449-497.
The actual date of publication is in question: it is ostensibly November, 1869, but I doubt that it really appeared before 1870.
Conspectus familie Alcidarum, secundum Brandt:—Subfam. I.—*Pterorhines* seu *Alcinae*. 1, *Alca*; a, *Plautus*; 1, *A. (P.) impennis*; b, *Utamania*; 2, *A. (U.) torda*. 2, *Uria*; a, *Lom-via*; 3, *U. (L.) arra*; 4, *troile*; b, *Grylle*; 5, *U. (G.) carbo*; 6, *grylle*; 7, *columba*. 3, *Brachy-ramphus*; 8, *B. marmoratus*; 9, *B. kittitzi*. 4, *Synthliboramphus*; 10, *S. antiquus*; 11, *S. tem-minckii*; (App. *hypoleucus*, *craveri*). 5, *Mergulus*; 12, *M. melanoleucus*.
Subfam. II.—*Gymnorhines* seu *Phalerinae*. 6, *Ptychoramphus*; 13, *P. aleuticus*. 7, *Simor-hynchus*; a, *Tyloramphus*; 14, *S. (T.) cristatellus*; b, *Phaleris*; 15, *S. (P.) camtschaticus*; 16, *pusillus*; ? *cassini*. 8, *Ombria*; 17, *O. psittacula*. 9, *Ceratorhina*; 18, *C. monocerata*. 10, *Lunda*; a, *Ceratoblepharum*; 19, *L. (C.) arctica*; 20, *corniculata*; b, *Gymnoblepharum*; 21, *L. (G.) cirrata*.
Anhang: Bemerkungen über die Gattung *Sagmatorrhina* Bp.—Übersicht der Alciden.—Bemerkungen über die Classificationen, die Entwicklungsstufen und die Verbreitung der Alciden.
1870. BRANDT, J. F. Ergänzungen und Berichtigungen zur Naturgeschichte der Familie der Alciden. < *Melanges Biol. Acad. Imp. Sci. St.-Petersb.*, vii, 2^e livr. 1870, pp. 199-268.
Aus dem *Bulletin*, xiv, pp. 449-497, separat abdruckt.
1870. CORNISH, T. Puffins [*Fratercula arctica*] in Mackerel Nets. < *Zoologist*, 2d ser., v, 1870, p. 2143.
1870. COUES, E. The Great Auk [*Alca impennis*]. < *Am. Nat.*, iv, 1870, p. 57.
Corrects several misstatements in *Am. Nat.*, iii, 1869, p. 539, *seq.*
1870. COUES, E. Extracts from a Memoir intituled 'A Monograph of the Alcidae'. < *Zoologist*, 2d ser., v, 1870, pp. 2004-2016, 2081-2090, 2124-2132, 2155-2163, 2205-2214, 2245-2253, 2289-2296, 2327-2334, 2369-2378, 2396-2403.
Nearly a reprint from *Pr. Phila. Acad.*, 1868: bibliographical and synonymic matter omitted.
1870. FATIO, V. Supplément à la liste des divers représentants de l'*Alca impennis* en Europe. < *Bull. Soc. Orn. Suisse*, ii, 1870, pp. 147-157.
Pas vu moi-même.—Pour la liste, voir *tom. cit.*, 1868, pp. 80-85.
1870. GATCOMBE, J. Bridled Guillemot [*Uria lachrymans*] and Little Auk [*Mergulus alle*, near Plymouth]. < *Zoologist*, 2d ser., v, 1870, p. 2143.

1870. GISSING, T. W. [Egg of *Uria arra*,] Brunnich's Guillemot. < *Zoologist*, 2d ser., v, 1870, pp. 2261, 2262.
1870. GURNEY, J. H., JR. [The Funk Island Specimen of] The Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., v, 1870, p. 1982.
1870. HÜGEL, A. DE. Great Auk's [*Alca impennis*] Eggs in Edinburgh. < *Zoologist*, 2d ser., v, 1870, p. 1982.
2 specimens in Mus. Sci. and Art.
1870. JONES, J. M. [Disposition of] The Mummy Specimen of *Alca impennis* at Halifax, Nova Scotia. < *Zoologist*, 2d ser., v, 1870, p. 1982.
1870. JONES, J. M. The Great Auk [*Alca impennis*] from Funk Island. < *Zoologist*, 2d ser., v, 1870, pp. 2182, 2183.
Personal—controversial—but with note on the mode of preservation of the mummy.
1870. NEWTON, A. "The Mummy Specimen of *Alca impennis* at Halifax, Nova Scotia." < *Zoologist*, 2d ser., v, 1870, p. 2065.
1870. NEWTON, A. On Existing Remains of the Gare-fowl (*Alca impennis*.) < *Ibis*, 2d ser., vi, 1870, pp. 256-261.
Supplementary to V. Fatio's list in *Bull. Soc. Orn. Suisse*, ii, pt. i, pp. 80-85, q. v. 71 or 72 skins, 9 skeletons, detached bones of 38 or 41 individuals, and 65 eggs.
1871. BLAKE-KNOX, H. Brunnich's Guillemot [*Uria arra*] on the Dublin Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2609.
1871. GURNEY, J. H., JR. Ringed Guillemot [*Uria ringvia*] near Flamborough. < *Zoologist*, 2d ser., vi, 1871, p. 2729.
1871. POTTS, T. H. Notes on an Egg of *Alca impennis*, Linn., in the Collection of the writer. < *Trans. and Proc. N. Z. Inst. for 1870*, iii, 1871, pp. 109, 110.
Abstract in *Proc.* for same year, separately paged, p. 33, with modified title.
1871. [WHEATLAND, H.] Little Auk [*Mergulus alle*, occurring in New England]. < *Bull. Essex Inst.*, iii, No. 11, Nov., 1871, pp. 156, 157.
1872. ANON. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, pp. 3023, 3024.
From the London 'Field,' Feb. 24.
1872. CUPPAGE, H. C. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, pp. 3024, 3025.
From the London 'Field,' Mar. 2.
1872. DEANE, R. Great Auk (*Alca impennis*). < *Am. Nat.*, vi, 1872, pp. 368, 369.
Specimen found dead near St. Augustin, Labrador, Nov., 1870 (fide A. Lechevallier), ♂; sent to Europe (\$200).
1872. DUNNING, J. W. Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., vii, 1872, p. 2946.
Extract from I. I. Hayes's 'Land of Desolation.'
1872. GOODE, G. B. A Sea Bird [*Mergulus alle*] Inland. < *Am. Nat.*, vi, 1872, p. 49.
At Middletown, Conn.; editorial note on same species at Middletown, Mass.
1872. GRIMSHAW, C. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3025.
1872. GURNEY, J. H., JR. Great Auk [*Alca impennis*] at Disco. < *Zoologist*, 2d ser., vii, 1872, pp. 3064, 3065.
Examination of evidence on the question, etc.
1872. HALE, N. F. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3024. [Bis.]
1872. LEACH, H. R. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3024.
1872. MORCOM, G. F. Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., vii, 1872, p. 3338.
Note on the Labrador specimen, from *Am. Nat.*

1872. "R. F. C." Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3024.

From the London 'Field,' Mar. 2.

1872. RICKARDS, M. S. C. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3023.

1872. SCLATER, J. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3025.

1873. PERKINS, G. H. The Thick-billed Guillemot [*Uria arra*, in Vermont]. < *Am. Nat.*, vii, 1873, p. 240.

1873. [SALVIN, O.] [Notice of Brandt's Memoir on Alcidae.] < *Ibis*, 2d ser., iii, 1873, p. 104.

1873. SMITH, CECIL. Guillemot [*Uria troile*] moulting its Quill-feathers. < *Zoologist*, 2d ser., viii, 1873, pp. 3454, 3455.

1874. ANON. The Great Auk [*Alca impennis*]. < *Am. Sportsman*, iv, 1874, p. 401, fig. 1.

1874. GURNEY, J. H. Note on the Changes of Plumage in Guillemots [*Uria troile*] and Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., ix, 1874, p. 3954.

1874. H[ARVEY], M. The Great Auk [*Alca impennis*] in New Foundland. < *Forest and Stream*, ii, May 28, 1874, p. 244.

1874. NEWMAN, E. The Guillemots at the Zoological Gardens. < *Zoologist*, 2d ser., ix, 1874, pp. 4119, 4120.

1874. WALLIS, H. M. How the Puffin [*Fratercula arctica*] ascends to its Nest. < *Zoologist*, 2d ser., ix, 1874, pp. 4118, 4119.

1875. ANON. Relics of the Great Auk [*Alca impennis*] on Funk Island. < *The London Field*, Mar. 27, Apr. 3, Apr. 10, 1875.

Not seen; perhaps three separate articles run together.

1875. ANON. The Great Auk [*Alca impennis*], an Extinct English Bird. < *Rod and Gun*, vi, Sept. 18, 1875, p. 375.

Reprinted from the "Cornhill Magazine."

1875. BOYES, F. Guillemot [*Uria troile*] bringing down its Young from the Cliff. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4342.

1875. [ELLIOTT, H. W.] Birds that breed by millions [i. e., Alcidae of North Pacific]. < *Rod and Gun*, vi, May 1, 1875, p. 66.

1875. GURNEY, J. H. Variety of the Razorbill [*Alca torda*]. < *Zoologist*, 2d ser., x, Mar., 1875, p. 4382.

With yellow bill and feet.

1875. GURNEY, J. H., JR. Descent of the young Guillemot [*Uria troile*] from its Cliff. < *Zoologist*, 2d ser., x, Oct., 1875, p. 4666.

1875. GURNEY, J. H., JR. Young Razorbills [*Alca torda*] and Guillemots [*Uria troile*]. < *Zoologist*, 2d ser., x, Nov., 1875, pp. 4697, 4698.

1876. ALLEN, J. A. The Extinction of the Great Auk [*Alca impennis*] at the Funk Islands. < *Am. Nat.*, x, No. 1, Jan., 1876, p. 48.

1876. GURNEY, J. H., JR. Waterford Great Auk [*Alca impennis*]. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4847, 4848.

See p. 1449; respecting this specimen further information is here given.

1876. GURNEY, J. H., JR. Attitudes of the Guillemot [*Uria troile*]. < *Zoologist*, 2d ser., xi, June, 1876, p. 4958.

1876. GURNEY, J. H., JR. Scarcity of the Razorbill [*Alca torda*]. < *Zoologist*, 2d ser., xi, June, 1876, p. 4959.

1876. GURNEY, J. H., JR. Scarcity of the Razorbill [*Alca torda*]. < *Zoologist*, 2d ser., xi, Aug., 1876, p. 5048.

1876. GURNEY, J. H., JR. Breast-bones of Guillemots [*Uria troile*]. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5086.

1876. HARVEY, M. The Great Auk [*Alca impennis*]. < *Forest and Stream*, vi, July, 20, 1876, p. 386; 1 fig.
1876. [INGERSOLL, E.] [Occurrence of *Mergulus alle* in New England.] < *Forest and Stream*, vi, Feb. 10, 1876, p. 4.
1876. SCLATER, J. Scarcity of the Razorbill [*Alca torda*]. < *Zoologist*, 2d ser., xi, July, 1876, p. 5007.
1876. TUCK, J. G. The Puffin [*Fratercula arctica*]. < *Zoologist*, 2d ser., xi, June, 1876, p. 4958.

1877. BARROWS, W. B. Catalogue of the Alcids contained in the Museum of the Boston Society of Natural History, with a Review and proposed Classification of the Family. < *Proc. Bost. Soc. Nat. Hist.*, xix, for Apr. 4, 1877; pub. Oct.–Nov., 1877, pp. 150–165.

The paper treats of 21 spp., being those that the author recognizes as valid, whether specimens of them be in the Museum or not. These are ranged under the genera *Fratercula*, *Phaleris*, *Mergulus*, *Brachyrhamphus*, *Uria*, *Lomvia*, and *Alca*; dispensing with subfamilies altogether.

1877. BUREAU, L. De la Mue du Bec et des Ornaments Palpébraux du Macareux arctique, *Fratercula arctica* (Lin.) Steph. après la saison des amours. < *Bull. Soc. Zool. de France*, 1877, pp. 1–22, table, pll. iv, v. (Aussi séparément, in-8°, Paris, 1877, pp. 1–22, table, pll. iv, v.)

I have only seen the separate, which however is identical with the *Bulletin* in which the paper originally appeared. In 1879 it was combined with a later paper on same subject, the two together being reissued apart from the *Bulletin* under the title of the later paper alone. See 1879, same author.

This is a contribution of great originality, interest, and importance. It establishes a before unsuspected fact, that *Fratercula arctica* regularly moults portions of the horny sheath of the bill, and also the excrescences upon the eyelids. The whole process and its results are presented in detail, according to the author's extended and novel researches. Two horse-shoe-shaped pieces, which are saddled on the bases of the upper mandible, and two other pairs of pieces; together with a similar shoe-shaped piece, and a similar pair of slender pieces, from the under mandible, making in all nine separate portions of the horny covering of the bill, are moulted; as is the excrescence upon each eyelid. All these deciduous pieces, as well as the permanent portions of the bill, are elaborately described, and the appearance of the bird at different seasons, conformably with these extraordinary circumstances, is also fully presented. The history of the author's experiences—how he came to make the discovery, and how he established the facts—is an interesting part of the paper. The conditions of the bill before, during, and after the process are figured in colors in an ingenious manner. The author was, of course, greeted with acclamation; the article was immediately translated, with editorial comment, by E. Cones, for the *Bulletin of the Nuttall Ornithological Club*, iii, Apr., 1878, pp. 87–91; and J. E. Harting gave a synopsis, with one of the plates, in the *Zoologist* of that year. The latter I have not seen.

M. Bureau's discovery naturally directed attention to the various and curious North Pacific allies of *F. arctica*, raising the expectation, afterward justified, that a similar condition of things would be established among these forms. The author discreetly forbore to prophecy, but entered upon the now obvious course of inquiry which resulted in 1879 in a second admirable paper on the same subject.

1877. [GRINNELL, G. B.] The Little Auk [*Mergulus alle*, in Connecticut]. < *Forest and Stream*, vii, Jan. 25, 1877, p. 388.
1877. NEWTON, A. [Remarks on Exhibition of a Variety of the Guillemot, *Uria troile*.] < *P. Z. S.*, Jan. 2, 1877, p. 2.

With yellow bill and feet, and white claws. Attention called to similar conditions of *Pica rustica* and of *Colymbus torquatus*.

1877. [SCOTT, W. E. D.] Little Auk (*Mergulus alle* [inland]). < *The Country*, i, Dec. 15, 1877, p. 91.
1878. A[LLEN], J. A. Barrow's "Catalogue of the Alcids." < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 86.

Review of his paper in *Pr. Bost. Soc.*, xix, 1877, pp. 150–165.

1878. COUES, E. On the Moults of the Bill and Palpebral Ornaments in *Fratercula arctica*. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 87-91.

An abridged translation, with notes, of L. Bureau's extraordinary paper in *Bull. de la Soc. Zool. de France*, 1877. 8vo, pp. 1-22, pll. 4, 5. Paris, 1877.

1878. [SCLATER, P. L., and SALVIN, O.] Bureau on the Moulting of portions of the Puffin's [*Fratercula arctica*] beak. < *Ibis*, 4th ser., ii, Oct., 1878, p. 475.

Notice of the remarkable paper in *Bull. Soc. Zool. de France*, 1877, pp. 1-22, q. v.

1878. [SCOTT, W. E. D.] [*Utamania torda* on the Coast of New Jersey, Feb. 7th.] < *The Country*, i, Mar. 2, 1878, p. 260.

1879. BUREAU, L. Recherches sur la Mue du Bec des Oiseaux de la Famille des Mormonidés. < *Bull. Soc. Zool. de France*, 1879, pp. 1-68, table, carte, pll. i-vi. (Aussi séparément, in-8°, Paris, F. Savy, 1879; pp. 1-68, table, carte, pll. i-vi.)

This I have not seen as published in the Bulletin. It was immediately reproduced, combined with the author's paper of 1877 on the same subject. See next title.

This paper continues the author's important researches into the moult of the bill in certain *Alcidæ*, and shows that, as was expected, the same conditions obtain among the various Pacific forms related to *Fratercula arctica*. The happy discovery, so important in itself, was further the means of settling the status of several vexed species. The following are the main points of this admirable study:

A family, *Mormonide*, is separated from *Alcidæ* to accommodate the genera *Fratercula*, *Lunda*, *Ceratorhyncha*, *Ombria*, and *Simorhynchus*, in which there is a moult of portions of the bill, and a double moult of the plumage. The whole matter of the seasonal changes, both of the bill and of the plumage, is very elaborately presented.

Fratercula arctica is differentiated into three geographical races, shown by a colored map to correspond with certain isothermal lines. *F. armoricana* (n. v.), of certain portions of Europe alone, chiefly south of 60° N. lat.; *F. islandica* (n. v.), of general dispersion on the north coast of Europe, in Iceland, Southern Greenland, Labrador, Newfoundland, and Kodiak Island in the Pacific; *F. glacialis*, of Spitzbergen, Northern Greenland, and possibly Northern Labrador.

The moult of the bill in *Fratercula corniculata* is the same as in *F. arctica*, excepting that one pair of the deciduous pieces is wanting. The moult of the eyelids is the same.

The moult in *Lunda cirrhata* is the same as in *F. corniculata*, as far as the bill is concerned: but there are no excrescences to shed from the eyelids. The *Sagmatorhina lathamii* of Bonaparte is the young bird.

Chimerina cornuta (*Ceratorhina monocerata*) moults the horn and a small horny strip below the nostrils. The *Cerorhina suckleyi* or *Sagmatorhina suckleyi* is the same bird, young or old, without the horn.

Ombria psittacula sheds a saddle-shaped piece from the base of the upper mandible.

Simorhynchus cristatellus sheds all the red parts of the bill, in four pairs of pieces, three from the upper mandible. *S. "dubius"* and *S. "tetraculus"* are the same bird, without these ornaments.

Simorhynchus camtschaticus probably moults one pair of pieces from the upper mandible, being nearest in respect to *Ombria*. *S. cassini* of Coues is the young bird.

Simorhynchus microceros moults the tubercle on the upper mandible. *S. pusillus* is the same bird.

The author does not appear to have seen Brandt's latest paper, in which he makes a similar reduction of the species of this group. It may be added, without detracting in the least from the merit of M. Bureau's brilliant discovery, that his determinations of species are, without exception, the same as those given in E. Coues "Key to North American Birds," 1872. Neither Brandt nor Coues had any idea of the actual state of the case, so far as the moult of the bill is concerned, but made their determinations of species upon other considerations.

1879. BUREAU, L. Recherches sur la Mue du Bec des Oiseaux de la Famille des Mormonidés par Le Docteur Louis Bureau [etc., 6 lignes] — (Extrait du Bulletin de la Société Zoologique de France, [1877 et] 1879.) — Paris | Librairie F. Savy | 77, Boulevard Saint-Germain, 77 | — | 1879 8vo. Cover-title, half-title, title, each 1 leaf; pp. 1-22, 1 folding table, pll. iv, v; pp. 1-68, 1 folding table, 1 chart, pll. i-vi.

This brochure consists of two entirely distinct articles, united under the same three titles. The first article consists of the paper "De la Mue du Bec et des Ornaments palpébraux du Macareux arctique, *Fratercula arctica* (Lin.) Steph. après la saison des amours," pp. 1-22, table and 2 plates, reproduced from the *Bull. Soc. Zool. de France*, 1877. The second article is "Recherches sur la Mue du Bec des Oiseaux de la Famille des Mormonidés," pp. 1-68,

1879. BUREAU, L.—Continued.

table, map and 6 plates, reproduced from the *Bull. Soc. Zool. de France*, 1879. Each article is separately paged, and the two together are furnished with the cover-title, half-title, and regular title above given. The numbering of the plates is the same as in the *Bulletin*. For comment on these papers see each of them, 1877 and 1879, BUREAU, L.

1879. COUES, E. Note on *Alle nigricans*, Link. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 244.

Showing that this term, proposed by Link in 1806, has priority over any of the names usually employed for the Dovekie, *Mergulus alle* of authors.

1879. MAYNARD, C. J. Wanderings of a Naturalist. < *Town and Country* (newspaper of Boston), June, 1879.

Chap. IV. The Razor-billed Auk, *Alca torda*. Full biography.

Spheniscidae.

1769. PENNANT, T. Account of the different Species of the Birds, called Pinguins.
 < *Philos. Trans. for 1768*, lviii, 1769, pp. 91-99, pl. v.
 Patagonian P., p. 91, pl. v, n. sp., not binomially named. The other two species given are the Lesser P. (= *Diomedea demersa* L.) and the Red-footed P. (= *Phaeton demersus* L.)
1774. M[URR], C. G. v. Beschreibung des Patagonischen Pinguins. Aus dem 58. Band der philosophischen Transactionen, vom Jahr 1769. übersezt von C. G. v. M[URR]. < *Der Naturforscher*, i, 1774, pp. 258-261.
 Cf. *op. cit.*, xxiii, 1788, p. 127.
1781. FORSTER, J. R. Historia Aptenodytæ, generis Avium orbi australi proprii.
 < *Comment. Soc. Reg. Sci. Göttingen*, iii, 1781, (*Comm. Phys.*), pp. 121-148, pll.
 Seen, but title taken at second hand.
 This article stands easily first among the early writings upon the subject, marking a great advance upon previous knowledge of the family, and representing the starting-point of the exact literature of *Spheniscide*. Forster throws all the Penguins into one genus, *Aptenodytes*, dividing them into the *Cristate*, with one species, *chrysocome*, and the *Alophæ*, with eight species. Of Forster's nine species, six are named for the first time; seven or eight are valid; four are valid and new. The species are: *A. chrysocome*, n. s., p. 135, pl. 1; *A. patchonica*, n. s., p. 137, pl. 2; *A. papua*, Scop., p. 140, pl. 3; *A. antarctica*, n. s., p. 141, pl. 4; *A. magellanicus*, n. s., p. 143, pl. 5; *A. demersus* Linn.; *A. catarractes*, n. s., p. 145 (= *Phaeton demersus* Linn.); *A. torquata*, n. s., p. 146; *A. minor*, n. s., p. 147.
1797. GEOFFROY ST.-HILAIRE, É. Sur les Manchots [*Spheniscidae*]. < *Millin, Magas. Encycl.*, iii, vi, 1797, pp. 11, 12. (*Bull. Sc. Soc. Philom.*, i, ii, 1798, p. 81.)
 Pas vu moi-même—le titre tiré de Carus et Engelmann.
1825. WEDDELL, —. Ueber die Aptenodytes und Diomedea-Arten Süd-Georgiens.
 < *Fror. Notizen*, Bd. xii, nr. 255, 1825, pp. 198-200.
 Not seen—title from Carus and Engelmann.
1832. EARLE, —. Die Brutplätze des Pinguins. < *Fror. Notizen*, xxxiv, No. 733, 1832, pp. 178-180.
 Not seen.
1832. JÄGER, G. Theilung der Luftröhre durch eine Scheidewand bei der Fettgans (Aptenodytes demersa). < *Muller's Arch. Anat. Phys.*, vi, 1832, pp. 48-54.
1833. YARRELL, W. [On the Woolly and Hairy Penguins (Aptenodytes) of Latham.] < *P. Z. S.*, i, 1833, pp. 33, 34.
1833. YARRELL, W. [On the Identity of the Woolly Penguin of Latham with the Aptenodytes patachonica, Gmel.] < *P. Z. S.*, i, 1833, p. 65.
1834. BENNETT, G. [On the Habits of the King Penguin (Aptenodytes patachonica, Gmel.).] < *P. Z. S.*, ii, 1834, p. 34.
1834. BENNETT, G. [On the Habits of the King Penguin (Aptenodytes patachonica).] < *Lond. and Edinb. Philos. Mag.*, v, 1834, p. 231.
 From *P. Z. S.*, May 13, 1834.
1834. BENNETT, G. [Sur la manière de vivre du Pingouin royale, Aptenodytes patachonica.] < *L'Institut*, ii, No. 81, 1834, p. 388.
 Not seen—title from Carus and Engelmann.
1834. MEYEN, F. J. F. [*Spheniscus humboldtii*, sp. n.] < *Nova. Acta Acad. Cæs. Leop.-Carol.*, xvi, suppl. i, 1834, p. 110, pl. 21.
 This is not properly citable as a separate title, the new Penguin being described in a paper of much wider scope.
1835. BENNETT, [G.] Ueber die Lebensart des Königspinguins (Aptenodytes patachonica). < *Oken's Isis*, Bd. xxviii, 1835, p. 1027.
 Auszug aus *P. Z. S.*, ii, 1834, p. 34.

1835. REID, —. [Anatomical Description of the Patagonian Penguin (*Aptenodytes patachonica*, Forst.)] < *P. Z. S.*, iii, 1835, pp. 132-148.
Very full, especially on the osteology and myology.
1835. REID, —. [Anatomical Description of the Patagonian Penguin, *Aptenodytes patachonica*, Forst.] < *Loul. and Edinb. Philos. Mag.*, vii, 1835, pp. 519-534.
From *P. Z. S.*, Sept. 22, 1835, pp. 132-148.
1835. YARRELL, [W.] [Beschreibt den wolligen und den haarigen Pinguin, Lath. x. p. 392.] < *Oken's Isis*, Bd. xxviii, 1835, p. 523.
From *P. Z. S.*, 1833, p. 33.
1837. BRANDT, J. F. Note sur une nouvelle espèce du genre *Catarhaetes* [*chrysolophus*] de Brisson. < *Bull. Acad. Impér. Sci. St.-Petersb.*, ii, 1837, pp. 314, 315.
Not seen—title from *Roy. Soc. Cat.*
1838. BRANDT, [J. F.] Note sur une nouvelle espèce du genre *Catarhaetes* [*chrysolophus*] de Brisson. < *Revue Zoologique*, i, 1838, pp. 114, 115.
Extraite du *Bull. de l'Acad. impér. de St.-Petersb.*, 7 Juillet 1837, pp. 314, 315.
1839. COUCH, J. Disposition of the Marsupialia. < *Charlesw. Mag. Nat. Hist.*, iii, 1839, p. 312.
Extract from Goodridge's "Narrative of a Voyage to the South Seas," etc., Exeter, 1838, p. 45, giving "a plain sailor's" account of the temporary pouch in which the eggs of Penguins are carried; believed to be the earliest intimation recorded of the singular fact.
1840. BRANDT, J. F. Ueber die Flossentaucher (*Impennes* sen *Aptenodytidæ*) als Typen einer eigenen Gruppe unter den Schwimmvögeln. < *Mém. de l'Acad. Imp. Sci. St.-Petersb.*, vi sér., v tome, ii pte., *Sci. Nat.*, iii, 1840, pp. 213-217, pl. xii (figg. 5-7), xiii.
A subtitle, being the fifth part of the series entitled: „Beiträge zur Kenntniss der Naturg. Vögel," u. s. w.
1843. GRAY, G. R. *Aptenodytes*. < *Ann. Mag. Nat. Hist.*, xiii, 1843, p. 315.
Discrimination of 2 spp. of "King" Penguins, hitherto confounded; one being named *A. pennanti*, the other *A. forsteri*, spp. nn.
1848. OBÆUF, —. Mœurs du pingouin de Patagonie (*aptenodytes patagonica*) et de deux autres espèces voisines. < *Arch. des Sci. Phys. et Nat. Genre*, vii, 1848, p. 244.
Revue Zoologique, 1847, No. 8.
1855. BREWER, T. M. [On a Fossil Egg, supposed to be of a Penguin, from the Chincha Islands.] < *Proc. Boston Soc. Nat. Hist.*, v, 1855, p. 107.
• Cf. *tom. cit.*, p. 165.
1855. HAYES, A. A. Report on a Specimen of Fossilized Egg, from the Guano Islands, off the coast of Peru. < *Proc. Boston Soc. Nat. Hist.*, v, 1855, pp. 165-167.
The body is named *Oöguanolite*. Cf. p. 107, where the egg is supposed to be that of a Penguin.
1856. BONAPARTE, C. L. Conspectus *Ptilopterorum* Systematicus. < *Compt. Rend. de l'Acad. Sci. Paris*, xlii, 1856, p. 775.
À la fin des "Tableaux paralléliques des Pelagiens ou Gaviæ" se trouve un *Conspectus Ptilopterorum Systematicus*, dans lequel l'auteur propose le genre *Eudyptula*, et donne les noms de *Aptenodytes rex* et *A. imperator*, "auct.", sans en donner aucune description.
1860. ABBOTT, CHARLES CONRAD. The Penguins [*Spheniscidæ*] of the Falkland Islands. < *Ibis*, ii, 1860, pp. 336-338.
Field-notes on four spp.
1860. [SCLATER, P. L.] [Notice of a collection, containing five species of *Spheniscidæ*, made by Captain Pack at the Falkland Islands.] < *The Ibis*, ii, 1860, p. 432.
1860. GOULD, J. [Exhibition of a series of five Penguins, and descriptions of two new Species.] < *P. Z. S.*, xxviii, 1860, pp. 418, 419.
Eudyptes nigrivestis, p. 418; *E. diadematus*, p. 419.

1861. GOULD, J. [On two new species of Penguins.] < *Ann. Mag. Nat. Hist.*, 3d ser., vii, 1861, pp. 217-219.
From *P. Z. S.*, Nov. 27, 1860, pp. 418, 419.
1865. ANON. The Penguin at the Zoological Gardens [of London]. < *The Intellectual Observer*, vii, 1865, p. 321.
Note on habits in captivity.
1865. ANON. Der Pinguin oder die Fettgans. < *Aus der Natur*, xxx, oder n. F., xxi, 1865, pp. 438-442.
1865. OWEN, R. On the Morbid Appearances observed in the Dissection of the Penguin (*Aptenodytes forsteri*). < *P. Z. S.*, xxxiii, 1865, pp. 438, 439.
The species was afterward determined to be *A. pennanti*, not *A. forsteri*, as at first supposed.
1865. SCLATER, P. L. [Announcement of the arrival of a specimen of the King Penguin (*Apterodytes pennanti*).] < *P. Z. S.*, xxxiii, 1865, p. 318.
1865. TEGETMEIER, W. B. The King Penguin (*Apterodytes Pennantii*). < *The Intellectual Observer*, vii, 1865, pp. 403-409, 1 col'd pl., and 1 woodcut.
1867. SCHLEGEL, H. Urinatores < *Mus. Hist. Nat. Pays-Bas*, 9^{me} livr., Avril, 1867, pp. 1-52.
The "Urinatores" of this author consist of the genera *Spheniscus*, *Alca*, *Colymbus*, *Podiceps*, and *Heliornis*, and they are treated in the ninth livraison of the unfinished work above quoted, along with "Coraces," and the conclusion of "Anseres," occupying pp. 1-52 of the third of the three paginations of which this livraison consists. (The work is issued in serial fashion, and, until it is finished, with its parts rearranged, and furnished with title pages, it cannot easily be cited in any usual bibliographical manner.)
The genus *Spheniscus* of this author, *i. e.*, the family *Spheniscidæ*, occupies pp. 1-12 of the pagination just indicated, and is treated in the well-known manner. The species recognized and described at greater or less length are twelve in number, namely: *Spheniscus pennantii*, *patagonicus*, *adeliae*, *papue*, *antarcticus*, *chrysocome*, *chrysolophus*, *diadematus*, *catarractes*, *antipodes*, *minor*, and *demersus*.
1868. ANON. Der Pinguin in Patagonien . . . < *Aus der Natur*, xlv, oder n. F., xxxii, 1868, p. 239.
1868. ANON. Pinguine. < *Aus der Natur*, xlv, oder n. F., xxxiv, 1868, p. 800.
„Man schätzt die im Jahre 1867 auf den Malvinischen Inseln getödteten Pinguine auf 405,000 Stück.“
1869. NEWTON, A. On the Origin of the Name "Penguin." < *Ann. Mag. Nat. Hist.*, 4th ser., iv, 1869, p. 133.
Penguin or Pengwin meaning pen-wing or pin-wing; probably no relation with the Latin *pinguedo* or Welsh *pen gwyn*.
1870. [BAIRD, S. F.] Nesting place of Penguins. < *Harper's New Monthly Mag.*, xli, 1870, p. 152.
A note on the carrying of the egg in the temporary pouch in the belly.
1870. FINSCH, O. Description of a new Species of Penguin [*Dasyrhamphus hereulis*]. < *P. Z. S.*, xxxviii, 1870, p. 322, pl. xxv.
1871. SUNDEVAL, C. J. [*Spheniscus mendiculus*, sp. n.] < *P. Z. S.*, 1871, p. 129.
This is not properly citable as a separate title, for the description occurs in a paper "On Birds from the Galapagos Islands," *l. c.*, pp. 126-130; I, however, make the reference.
1872. A[LLEN], J. A. Catalogue of the Penguins in the Museum of the Boston Society of Natural History. < *Am. Nat.*, vi, 1872, pp. 545, 546.
A review of A. Hyatt's paper, *Proc. Bost. Soc.*, xiv, 1872, pp. 237-251. (Cf. *Am. Nat.*, vi 1872, pp. 472, 473.)
1872. C[OUES], E. The Boston Society's Ornithological Catalogue. < *Am. Nat.*, vi, 1872, pp. 472, 473.
A review of A. Hyatt's paper on the *Spheniscidæ*, *Proc. Bost. Soc.*, xiv, 1872, pp. 237-251, (Cf. *Am. Nat.*, vi, 1872, pp. 545, 546.)

1872. COUES, E. Osteological Notes [on Spheniscidæ]. < *Proc. Bost. Soc. Nat. Hist.*, xiv, 1872, pp. 251-253.

A subtitle in conclusion of a preceding article, i. e., *Hyatt's Catalogue of the Ornith. Collection of the Boston Soc. Nat. Hist.*, pp. 237-251. These "notes" consist of a sketch of the leading features of the skeleton.

1872. COUES, E. Material for a Monograph of the Spheniscidæ. < *Proc. Acad. Nat. Sci. Phila.*, xxiv, 1872, pp. 170-212, pl. 4, 5.

Based chiefly on the specimens in the Museums of the Smithsonian Institution and of the Philadelphia Academy, the former being notable as containing T. R. Peale's types, and the latter including the largest collection of Penguins in America.

The copious synonymy gives nearly every name, generic or specific, which had at that time been proposed for this group of birds; and each species recognized by the author is fully described, with much critical matter. The paper is divided into parts, as follows:

I. On the Literature of the Subject, pp. 170-181. This is a list, in chronological order, of the principal writings upon Penguins, sufficiently analyzed to give the gist of each author, especially with reference to the successive establishment of new generic and specific names, and the identification thereof; it takes note not only of special papers on *Spheniscidæ*, but also of those portions of more general works which treat of birds of this family. Those who have occasion to look up the literature of *Spheniscidæ* will find this article in some respects more satisfactory than the present Bibliography.

II. On Certain Points of Cranial Structure bearing upon the Determination of the Genera, pp. 181-189. The author describes the skulls of various species in sufficient detail to show that there are three leading modifications of the cranium, upon which he would recognize three genera, *Aptenodytes*, *Eudyptes*, *Spheniscus*; he however retains for certain species a fourth genus, *Pygoscelis*. The wing and leg bones of *Aptenodytes* are also described. This part of the subject is illustrated with the two plates.

III. On the Geographical Distribution of the Family, pp. 189, 190, followed, p. 191, by a Key to the Species.

IV. Determination of the Species, pp. 192-212. The following species are recognized:

1. *Aptenodytes patagonica* Forst. (*forsteri* Gray, *imperator* Bp.).
2. *Aptenodytes longirostris* Scop. (*patagonica* Aliq., *pennanti* Gray, *rex* Bp.).
3. *Pygoscelis tenuitars* Peale (*papua* Forst., *wagleri* ScL.).
4. *Pygoscelis adeliae* H. and J. (*brevirostris* Gray, *longicauda* Peale, *herculis* Finsch).
5. *Pygoscelis antarctica* Forst.
6. *Eudyptes antipodes* H. and J. (*flavilarcata* Peale). [fua Bonn.).
7. *Eudyptes catarrhaetes* Forst. (*Phaëton demersus* L., *cristata* Shaw, *saltator* Steph., *gor-*
8. *Eudyptes chrysocome* Forst. (*pachyrhyncha* Gray, *nigrirostris* Gould).
9. *Eudyptes chrysolopha* Brandt.
10. *Eudyptes diadematus* Gould.
11. *Spheniscus minor* Forst. (*undina* Gould).
12. *Spheniscus demersus* Linn., with *S. magellanicus* as a variety
Spheniscus mendiculus Sund., not treated.

Cf. Zool. Rec. for 1872, p. —; *Am. Nat.*, vii, 1872, pp. 38-40.

It may be useful to give here in chronological order a nearly complete list of the names which have been proposed for *Spheniscidæ*, beginning with Linnaeus:

1766. *Diomedea demersa* Linn., *Syst. Nat.*, i, p. 214.
1766. *Phaëton demersus* Linn., *Syst. Nat.*, i, p. 219.
1777. *Aptenodytes longirostris* Scopoli.
1777. *Aptenodytes papua* Scopoli.
1777. *Aptenodytes platyrhyncha* Scopoli.
1781. *Aptenodytes chrysocome* Forst., *Comm. Reg. Soc. Sci. Gött.*, iii, p. 135.
1781. *Aptenodytes patagonica* Forst., *L. c.*, p. 137.
1781. *Aptenodytes antarctica* Forst., *L. c.*, p. 141.
1781. *Aptenodytes magellanicus* Forst., *L. c.*, p. 143.
1781. *Aptenodytes catarrhaetes* Forst., *L. c.*, p. 145.
1781. *Aptenodytes torquata* Forst., *L. c.*, p. 146.
1781. *Aptenodytes minor* Forst., *L. c.*, p. 147.
1782. *Aptenodytes gorfua*, Bonnaterre, *Encyc. Méth.*, i, p. 67.
1788. *Aptenodytes chilensis* Gm., *Syst. Nat.*, i, p. 559.
1788. *Aptenodytes chilensis* Gm., *Syst. Nat.*, i, p. 559.
1790. *Aptenodytes molinae* Lath., *Ind. Orn.*, p. 881.
- 17— . *Pinguinaria cristata* Shaw, *Nat. Misc.*, pl. 437.
1800. *Aptenodytes fuscirostris* Illiger.
1816. *Eudyptes* Vieillot, *Analyse*.
1825. *Chrysocoma saltator* Steph., *Shaw's Gen. Zool.*, xiii, p. 58.

1872. COUES, E.—Continued.

1825. *Spheniscus novæ hollandiæ* Steph., *l. c.*, p. 68.
 1832. *Pygoscelis* Wagler, *Isis*, p. 183.
 1834. *Spheniscus humboldtii* Meyen, *Nov. Act. Acad. Caes. Leop.*, xvi, supp. i, p. 110.
 1837. *Catarractes chrysolopha* Brandt, *Bull. Acad. Sc. St. Pétersb.*, ii, p. 324.
 1841. *Catarractes adeliæ* Homb. and Jacq., *Ann. Sc. Nat.*, p. 320.
 1841. *Catarractes antipodes* Homb. and Jacq., *l. c.*
 1842. *Dypsicles* Gloger, *Handb. Naturg.*
 184—. *Pygoscelis brevirostris* Gray, *Voy. Erzb. & Terr.*
 1841. *Eudyptes pachyrhyncha* Gray, *l. c.*
 1844. *Aptenodytes palpebrata* Licht., ed. Forst. *Descr. An.*, p. 356.
 1844. *Aptenodytes brasiliensis* Licht., *l. c.*, p. 355.
 1844. *Aptenodytes forsteri* Gray, *Ann. Mag. N. H.*, p. 315.
 1844. *Aptenodytes pennanti* Gray, *l. c.*
 1844. *Aptenodytes undina* Gould, *P. Z. S.*, p. 87.
 1846. *Dasyrhamphus*, Homb. and Jacq.
 1848. *Aptenodytes magnirostris* Peale, *U. S. Expl. Exped.*, p. 263.
 1848. *Aptenodytes flavilarvata* Peale, *l. c.*, p. 260.
 1848. *Aptenodytes longicaudata* Peale, *l. c.*, p. 261.
 1848. *Aptenodytes tenuata* Peale, *l. c.*, p. 264.
 1856. *Aptenodytes rex* Bp., *Compt. Rend.*, p. 775.
 1856. *Aptenodytes imperator* Bp., *Compt. Rend.*, p. 775.
 1859. *Palæeudyptes antarcticus* Huxley, *Journ. Geol. Soc.*, xv, p. 672.
 1860. *Pygoscelis wagleri* Schl., *P. Z. S.*, p. 392.
 1860. *Eudyptes vigriestis* Gould, *P. Z. S.*, p. 418.
 1860. *Eudyptes diademata* Gould, *l. c.*, p. 419.
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 “Un examen détaillé des os et des muscles du *Nothura major* nous amène à conclure que si les Tinamidés ont de grandes ressemblances soit avec les Autruches, soit avec les Gallinacés, on ne peut pourtant pas les confondre avec l'un ou l'autre de ces deux groupes, et qu'ils diffèrent encore plus des Rallidés, des Échassiers pressirostres, longirostres et des Palmipèdes, auxquels ils ne se rattachent que par des traits isolés. Nous sommes ainsi conduits, tout en tenant compte de ces affinités, à partager l'opinion de Lherminier, qui faisait de ces Oiseaux un groupe séparé.”
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